SPRING
Environmental, Inc.

AIR OPERATING PERMIT APPLICATION

DYNAMIC FABRICATORS, LLC
OCTOBER 2004

T1 - 040122
055 - 00035

Prepared for: Dynamic Fabricators, LLC
Attn: Wade Wolcott
22515 W. Highway 53
Rathdrum, Idaho 83858
Tel: (208) 773-1787

Prepared by: Spring Environmental, Inc.
1011 N. Cedar St.
Spokane, Washington 99201
Tel: (509) 328-7500

SPRING
Environmental, Inc.
1011 N. Cedar Street
Spokane, Washington 99201
(509) 328-7500
Toll Free: 1-877-44SPRNG

October 4, 2004

VIA AIRBORNE OVERNIGHT
Ms. Eileen Loerch
Air Quality Enforcement Coordinator
Idaho DEQ
1410 N. Hilton
Boise, ID 83706

RE: Dynamic Fabricators, LLC
Air Operating Permit Renewal Application

Dear Ms. Loerch:

Enclosed is a hard copy of Dynamic Fabricators Tier 1 Air Operating Permit renewal application as required under IDAPA 58.01.01.313 and .369. An electronic copy of this application was submitted to your and Mr. Bill Rogers attention from our office today as well. The renewal permit has been certified by Mr. Wolcott as indicated on page 1.

As required by the Consent Order signed by Mr. Wolcott, Dynamic Fabricators will update the Tier 1 renewal application as appropriate within 20 days after receiving the PTC currently under consideration.

If you or the IDEQ permitting staff have any questions on the content of the permit application, please contact me at 509-328-7500 or Mr. Wade Wolcott at 208-773-1787. Thank you for your attention to this matter.

Sincerely,

Beth Fifield Hodgson

Beth Fifield Hodgson
Environmental Consultant

Encl.

c: Wade Wolcott, Dynamic Fabricators

APPLICATION FORMS

	YES	NO
* Is the application signed and dated?	____	____
* Are all the forms adequately completed?	X	____

SOURCE DESCRIPTIONS

		YES	NO
*	Are the existing facilities described?	X	____
*	Are the modifications or new facilities described?	X	____
*	Are all the applicable processes, materials, ventilation, and controls described?	X	____
*	Is all equipment referenced by specific ID name or number?	X	____

SOURCE FLOW DIAGRAMS

SOURCE	PAGE
1. FRP Fabrication	10
2. FRP Tooling & Assembly	10

		YES	NO
*	Are diagrams included?	X	____
*	Shows the entire existing facility?	X	____
*	Shows the entire future facility?	X	____
*	Shows each process separately (if needed)?	X	____
*	Details storage, roads, transfers, & processing?	X	____
*	Labeling is adequate (processes and stacks identified, flow rates and process rates shown)?	X	____

PLOT PLANS

SOURCE	PAGE
1. FRP Fabrication	7 - 9
2. FRP Tooling & Assembly	7 - 9

		YES	NO
*	Are plot plans included?	X	____
*	Shows location coordinates?	X	____
*	Shows plant boundaries?	X	____
*	Shows neighboring ownership and facilities?	X	____
*	Shows topography?	X	____
*	Scale down or distances adequately labeled?	X	____
*	Shows all buildings, equipment, storage & roads?	X	____
*	Is adequate for both existing & future or includes both?	X	____

EMISSION ESTIMATE REFERENCES AND DOCUMENTATION

SOURCE	PAGE
1. FRP Fabrication	19
2. FRP Tooling & Assembly	25

		YES	NO
*	All fugitive & point sources listed?	X	
*	All pollutants addressed?	X	
*	Process documentation and specs included?	X	
*	Control equipment documentation and specs included?	X	
*	Emission factors documented and referenced?	X	
*	Calculations & assumptions shown?	X	
*	Source tests referenced (test includes processing and control device test conditions)?	X	

EXCESS EMISSION DOCUMENTATION

SOURCE	PAGE
1. FRP Fabrication	16
2. FRP Tooling & Assembly	22

		YES	NO
*	All three types of excess emissions (startup, shutdown, and scheduled maintenance) covered for each source?	X	____
*	Calculations and documentation included?	X	____
*	Expected frequencies of excess emissions noted?	X	____
*	Justification for amounts and frequencies of excess emissions?	X	____
*	Procedures for minimizing excess emissions covered?	X	____

AMBIENT IMPACT ANALYSIS

COMPLIANCE CERTIFICATION PLAN

SOURCE	PAGE
1. FRP Fabrication	54
2. FRP Tooling & Assembly	54

		YES	NO
*	Monitoring, recordkeeping, and reporting discussed?	X	
*	Stack testing methods thoroughly documented?	N/A	
*	Discussion and documentation of process control mechanisms used to meet emission limits?	N/A	
*	Quality assurance/quality control discussed?	N/A	
*	Monitoring equipment specs and documentation included?	N/A	

SECTION 1: GENERAL INFORMATION

COMPANY & DIVISION NAME	Dynamic Fabricators, LLC
STREET ADDRESS OR P.O. BOX	22515 W. Highway 53
CITY	Rathdrum
STATE	ID
ZIP	83858
PERSON TO CONTACT	Wade B. Wolcott
TITLE	President
PHONE NUMBER	(208) 773-1787
EXACT PLANT LOCATION	NW¼ of SW¼ of NW¼ of Section 16, Township 51N, Range 5W
GENERAL NATURE OF BUSINESS	Fiberglass Fabrication
NUMBER OF FULL-TIME EMPLOYEES	50
PROPERTY AREA (ACRES)	10
REASON FOR APPLICATION (1) Change of Owner or Location (2) Tier I Permit to Operate (3) Tier II Permit to Operate	2
DISTANCE TO NEAREST STATE BORDER (MILES)	4
PRIMARY SIC	3079
SECONDARY SIC	None
PLANT LOCATION COUNTY	Kootenai
ELEVATION (FT)	2140
UTM ZONE	11
UTM (X) COORDINATE (KM)	502.1
UTM (Y) COORDINATE (KM)	5290.5

NAME OF FACILITIES	LOCATION OF OTHER FACILITIES
List all facilities with the State that are under your control or under common control and have emissions to the air. If none, so state.	
None	
OWNER OR RESPONSIBLE OFFICIAL	Wade B. Wolcott
TITLE OF RESPONSIBLE OFFICIAL	President

Based on information and belief formed after reasonable inquiry
I certify the statements and information in this document are accurate and complete.

SIGNATURE OF OWNER OR RESPONSIBLE OFFICIAL: Wade B. Wolcott

DATE: 10/1/04

SITE DESCRIPTION

Dynamic Fabricators manufactures fiberglass reinforced plastic (FRP) panel segments, fan shrouds, large diameter FRP cooling tower piping, and custom FRP products. FRP production occurs in the north half of the fiberglass building. FRP tooling and assembly occurs in the south half of the building and a wall with an access door separates the building halves. An on-site woodshop cuts, drills and shapes wood used to construct cooling tower framework and fabricates PVC distribution manifolds from commercial PVC pipe. A covered wood drying shed is located west of the woodshop and covered material storage is southwest of the woodshop. Finished goods are stored in a laydown yard on the southwest corner of the property.

The facility is located on Highway 53 approximately 4.5 miles southwest of Rathdrum, Idaho. The exact plant location is the NW ½ of the SW ¼ of Section 16, Township 51N, Range 5W. The UTM coordinates are Zone 11, Easting – 502.1 kilometers, Northing – 5290.5 kilometers. The plant elevation is 2140 feet above sea level. The area surrounding the plant is primarily rural and is zoned light industrial. Several other industrial or commercial establishments are located nearby along Highway 53 including Specialty Feeds immediately to the west. The plant site is fenced and gated such that public access is restricted. Since the existing Tier 1 Operating Permit was issued in 1997 (AIRS #055-00035), two (2) additional buildings have been added to the facility; however, no regulated air emissions are generated in these buildings. The new buildings include a covered wood drying shed added in December 1998 and an extension to the Woodshop building, used for a warehouse and plant maintenance activities, added in September 2000.

The facility includes five processes which are further defined below:

1. Wood Cooling Tower Components Construction
2. PVC Piping and Manifolds Fabrication
3. Mold Preparation
4. FRP Fabrication
5. FRP Tooling and Assembly

Only two of these five processes are further defined in subsequent sections because the other three are insignificant sources as described under the process descriptions and insignificant activities on pages 2 through 6.

PROCESS DESCRIPTION

Wood Cooling Tower Components Construction

The woodshop cuts, drills, and shapes wood used in site construction of commercial cooling towers. The woodshop is totally enclosed and utilizes a cyclone and panel filter to remove dust and particulate from the wood forming operations. The filtered air is returned to the building so **no emissions** are generated from this process and this process is not included in the Section 4 Process and Manufacturing Operations Application Forms.

PVC Piping and Manifolds Fabrication

Also in the woodshop, PVC pipe is cut, drilled, and glued into manifolds and water distribution systems. Emissions from the gluing process are uncontrolled but are **insignificant** per IDAPA 58.01.01.317.01.b(30) due to the low usage of solvent containing primers and glues. This process is not included in the Section 3 Process and Manufacturing Operations Application Forms but emission calculations are documented under Insignificant Activities (pages 4 through 6).

Mold Preparation

Prior to FRP fabrication, the molds are cleaned and mold release agent(s) applied to the mold surface. Emissions from this process are uncontrolled but are **insignificant** per IDAPA

58.01.01.317.01.b(30) due to the low usage of VOC or HAP containing release agents. This process is not included in the Section 3 Process and Manufacturing Operations Application Forms but emission calculations are documented under Insignificant Activities (pages 4 through 6).

FRP Fabrication (Section 3, Process 1)
Large diameter pipe is formed by filament winding on a mandrel. Filament strands are pulled through a tensioning device and either sprayed with catalyzed resin or drawn through a catalyzed resin bath prior to application to the rotating mandrel. Specialty resins are used if corrosion or fire resistant product is required. Once the desired product thickness is obtained, the resin is allowed to cure and then the pipe is slipped off the internal mandrel. The cured pipe is sent to the Assembly area where it is trimmed and shaped for joining to additional pipe lengths, flanges, fittings, or other connections. Emissions from the winding process are captured by a wall vent located just above floor level in the pipe winding area. Emissions pass through a graduated density fiberglass filter prior to discharge from **a stack**.

Fabrication of FRP parts starts with the construction of a mold. Tooling resins are used to produce a reverse image mold with the required strength and surface characteristics for the desired product.

A mold release is applied to the reusable mold as noted above and then a gelcoat is applied to provide the desired surface finish and color. A combination of hand and spray application is used to apply fiberglass and catalyzed resin to form the desired thickness of the part. Spray application is accomplished by using an airless gun that automatically applies chopped fiberglass with the appropriate amount of catalyzed resin. Hand application uses fiberglass fabrics cut to appropriate size and shapes which are applied to the mold and saturated with catalyzed resin using rollers and other hand tools. Hand application is used when spray application is not practical. Resin is supplied either from a 6000 gallon resin tank, totes, and/or drums depending on the product requirements. Resin from the 6000 gallon tank is prewarmed in order to achieve the desired viscosity for spray application. Emissions from the Fabrication process are controlled by an exhaust fan and wall vents mounted just above floor level. Captured emissions pass through a graduated density fiberglass filter prior to discharge through **a stack**. Make up air is supplied to replace the exhaust and is tempered by a makeup air preheater. Styrene concentration in the room air is less than 50 ppm and meets the standard set by the Occupational Safety and Health Administration (OSHA).

Products used in the FRP Fabrication process include:

- Gelcoats
- Tooling and Specialty Resins
- General Duty Resins
- Catalysts
- Fiberglass mat and roving
- Acetone (for equipment cleaning)

Material Safety Data Sheets are presented in Appendix A.

FRP Tooling & Assembly (Section 3, Process 2)
Cured pipe and FRP components must be cleaned of flash before being drilled for subsequent assembly. Waste materials are ground or cut off. Pipe ends are squared up and ground in preparation for joining to flanges, other pipes, or other connectors. Joint areas are mated with flanges or other components and then fused together using hand application of fiberglass and catalyzed resin on the inside and outside of the joint area.

The majority of the FRP grinding takes place in a grinding room located in the Fiberglass Building and immediately northwest of the FRP Fabrication area. Particulates from the grinding operation

are collected by a slot hood; filtered air is directed back into the grinding room. **This operation has no emission point.**

Additional grinding takes place in the Assembly area of the Fiberglass Building in order to trim and prepare pipes for joints. There is no direct emission point from this operation however, a portion of the air is swept into the Fabrication area and exits through the filters and stacks.

INSIGNIFICANT ACTIVITIES

The following activities may be present at the facility but are categorically exempt activities according to IDAPA 58.01.01.317.01.a.

- Mobile transport tanks on vehicles except for those containing asphalt and not including loading and unloading operations. [IDAPA 58.01.01.317.01.a.i.(2), 3-23-98]
- Natural gas pressure regulator vents, excluding venting at oil and gas production facilities. [IDAPA 58.01.01.317.01.a.i.(3), 3-23-98]
- Storage tanks, reservoirs and pumping and handling equipment of any size, limited to soaps, lubricants, lubricating oil, treater oil, hydraulic fluid, vegetable oil, grease, animal fat, aqueous salt solutions or other materials and processes using appropriate lids and covers where there is no generation of objectionable odor or airborne particulate matter. [IDAPA 58.01.01.317.01.a.i.(4), 3-23-98]
- Pressurized storage of oxygen, nitrogen, carbon dioxide, air, or inert gases. [IDAPA 58.01.01.317.01.a.i.(5), 3-3-95L]
- Storage of solid material, dust-free handling. [IDAPA 58.01.01.317.01.a.i.(6), 3-3-95L]
- Vents from rooms, buildings and enclosures that contain permitted emissions units or activities from which local ventilation, controls, and separate exhaust are provided. [IDAPA 58.01.01.317.01.a.i.(9), 3-3-95L]
- Internal combustion engines for propelling or powering a vehicle. [IDAPA 58.01.01.317.01.a.i.(10), 3-3-95L]
- Brazing, soldering, and welding equipment and cutting torches for use in cutting metal wherein components of the metal do not generate hazardous air pollutants or hazardous air pollutant precursors. [IDAPA 58.01.01.317.01.a.i.(12), 3-23-98]
- Plastic pipe welding. [IDAPA 58.01.01.317.01.a.i.(26), 3-3-95L]
- Plant maintenance and upkeep including routine housekeeping, janitorial activities, cleaning and preservation of equipment, preparation for and painting of structures or equipment, retarring roofs, applying insulation to buildings in accordance with applicable environmental and health and safety requirements and lawn, landscaping and groundskeeping activities. Provided these activities are not conducted as part of a manufacturing process, are not related to the sources's primary business activity, and not otherwise triggering a permit modification. [IDAPA 58.01.01.317.01.a.i.(28), 3-23-98]
- Agricultural activities on a facility's property that are not subject to registration or new source review by the permitting authority. [IDAPA 58.01.01.317.01.a.i.(29), 3-3-95L]
- Maintenance of paved streets and parking lots including paving, stripping, salting, sanding, cleaning and sweeping of streets and paved surfaces. Provided these activities are not related to the source's primary business activity, do not otherwise trigger a permit modification, and fugitive emissions are reasonably controlled as required in Section 808. [IDAPA 58.01.01.317.01.a.i.(30), 3-23-98]
- Hot melt adhesive application with no volatile organic compounds or hazardous air pollutants in the adhesive formula. [IDAPA 58.01.01.317.01.a.i.(32), 3-23-98]
- Steam cleaning operations. [IDAPA 58.01.01.317.01.a.i.(34), 3-3-95L]
- Portable drums and totes. [IDAPA 58.01.01.317.01.a.i.(37), 3-3-95L]
- General vehicle maintenance including vehicle exhaust from repair facilities provided these activities are not related to the source's primary business activity and do not have

applicable requirements under title VI of the Clean Air Act. [IDAPA 58.01.01.317.01.a.i.(40), 3-23-98]

- Comfort air conditioning or air cooling systems, not used to remove air contaminants from specific equipment. [IDAPA 58.01.01.317.01.a.i.(41), 3-3-95L]
- Natural draft hoods, natural draft stacks, or natural draft ventilators for sanitary and storm drains, safety valves, and storage tanks subject to size and service limitations expressed elsewhere in this section. [IDAPA 58.01.01.317.01.a.i.(42), 3-3-95L]
- Natural and forced air vents for bathroom/toilet facilities. [IDAPA 58.01.01.317.01.a.i.(43), 3-3-95L]
- Office activities. [IDAPA 58.01.01.317.01.a.i.(44), 3-3-95L]
- Satellite Accumulation Areas (SAAs) and Temporary Accumulation Areas (TAAs) managed in compliance with RCRA. [IDAPA 58.01.01.317.01.a.i.(48), 3-23-98]
- Temporary construction activities at a facility provided that the installation or modification of emissions units must comply with all applicable federal, state, and local rules and regulations. [IDAPA 58.01.01.317.01.a.i.(53), 3-23-98]
- Structural changes not having air contaminant emissions. [IDAPA 58.01.01.317.01.a.i.(58), 3-3-95L]
- Repair and maintenance shop activities not related to the source's primary business activity. [IDAPA 58.01.01.317.01.a.i.(64), 3-23-98]
- Hydraulic and hydrostatic testing equipment. [IDAPA 58.01.01.317.01.a.i.(66), 3-3-95L]
- Solid waste containers. [IDAPA 58.01.01.317.01.a.i.(69), 3-3-95L]
- Steam vents and safety relief valves. [IDAPA 58.01.01.317.01.a.i.(77), 3-3-95L]
- Air compressors, pneumatically operated equipment, systems, and hand tools. [IDAPA 58.01.01.317.01.a.i.(78), 3-3-95L]
- Non-PCB oil filled circuit breakers, oil filled transformers and other equipment that is analogous to, but not considered to be, a tank. [IDAPA 58.01.01.317.01.a.i.(104), 3-3-95L]
- Water cooling towers processing exclusively noncontact cooling water. [IDAPA 58.01.01.317.01.a.i.(107), 3-3-95L]

The following activities have been determined to be insignificant but must be listed per IDAPA 58.01.01.317.01.b.

1. Operation, loading, and unloading of the 6000 gallon resin storage tank (vapor pressure less than 80 mm Hg at 21 °C). IDAPA 58.01.01.317.01.b(3).
2. Operation, loading, and unloading of the 300 gallon propane storage tank. IDAPA 58.01.01.317.01.b(4).
3. Natural gas fired comfort space heaters, less than 5 mmbtu/hour and located in the Fiberglass Building, Woodshop, Purchasing/Storeroom, Grinding Room, and Administration Buildings. IDAPA 58.01.01.317.01.b(18).
4. 4.4 MMBtu/hour natural gas fired air preheater for the Fiberglass Building IDAPA 58.01.01.317.01.b(18).
5. PVC pipe and manifold gluing operations – Potential VOC emissions are less than 10% of the 40 tpy significant rate, and HAPS emissions are less than 1 tpy (see page 6). IDAPA 58.01.01.317.01.b(30).
6. Mold Preparation and mold release application operations. Potential VOC emissions are less than 10% of the 40 tpy significant rate, and HAPS emissions are less than 1 tpy (see page 6). IDAPA 58.01.01.317.01.b(30).
7. Fugitive dust from vehicle traffic. Potential VOC emissions are less than 10% of the 40 tpy significant rate, and HAPS emissions are less than 1 tpy (see page 6). IDAPA 58.01.01.317.01.b(30).
8. Wood Shop activities where air is returned to the building. IDAPA 58.01.01.317.01.b(30).

Insignificance Calculations for PVC Gluing, Mold Release Application and Unpaved Road Fugitive Emissions determinations

A. VOC and HAP emissions				VOC		MEK		Xylene		1,2,4-Trimethyl Benz		Ethyl Benzene	
Product	Area	Gal/year	lb/gal	%	lbs	%	lbs	%	lbs	%	lbs	%	lbs
PVC Primer	PVC Gluing	82	7.17	100.0%	587.9	37.0%	217.5						
PVC Glue	PVC Gluing	164	7.77	54.7%	697.0	23.0%	293.1						
	Totals				**1285.0**		**510.6**						
Chemlease	Mold Release Application	24	7.26	100%	174.2			45%	78.41	10%	17.42	10%	17.42
Partall Paste #2	Mold Release Application	24	6.57	68%	106.6								
	Totals				**280.8**				**78.41**		**17.42**		**17.42**

B. Fugitive Emissions, Vehicle Traffic on Unpaved Roads

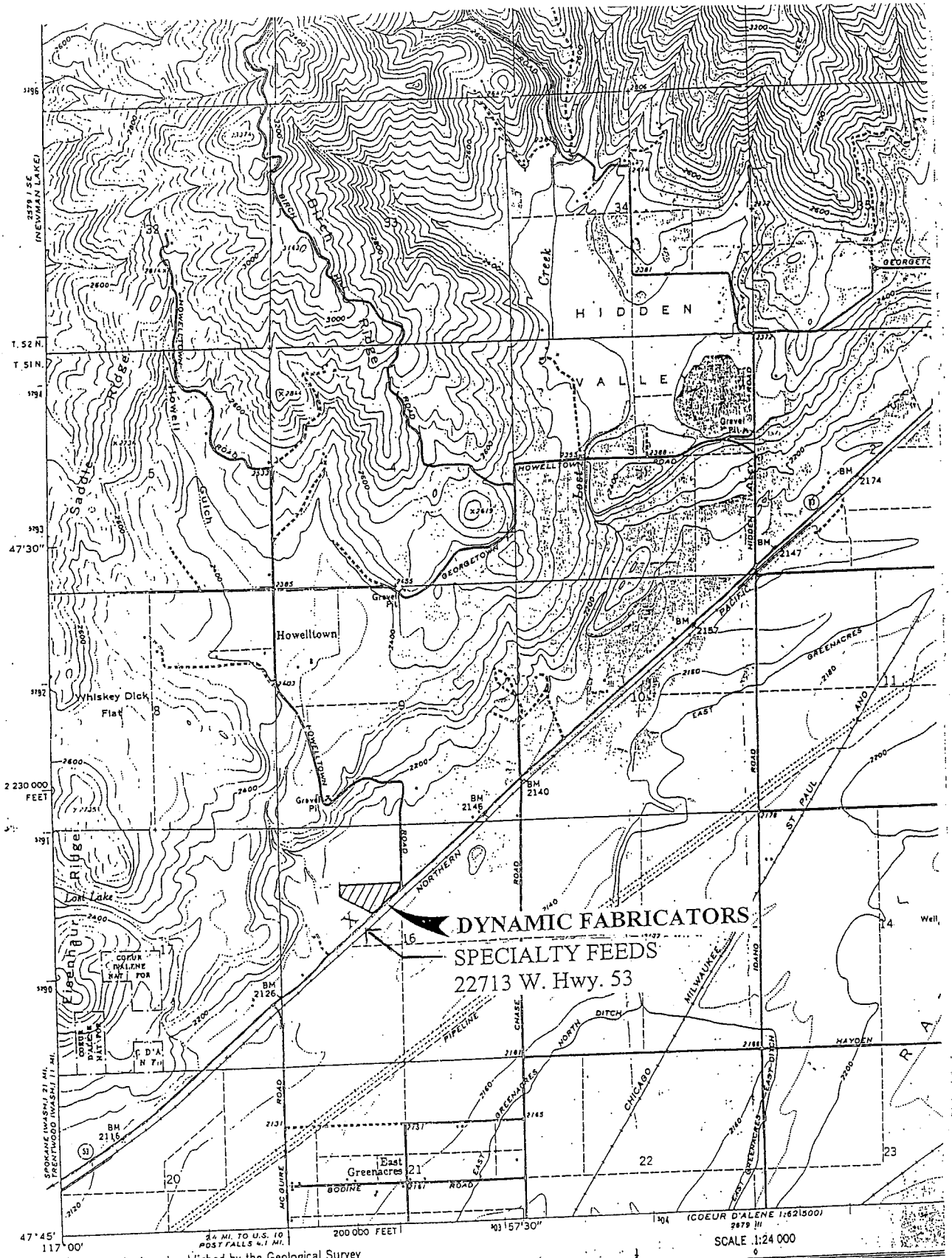
The emission factors for vehicle traffic on unpaved roads were derived from A-42, Section 13.2.2, September 1998.

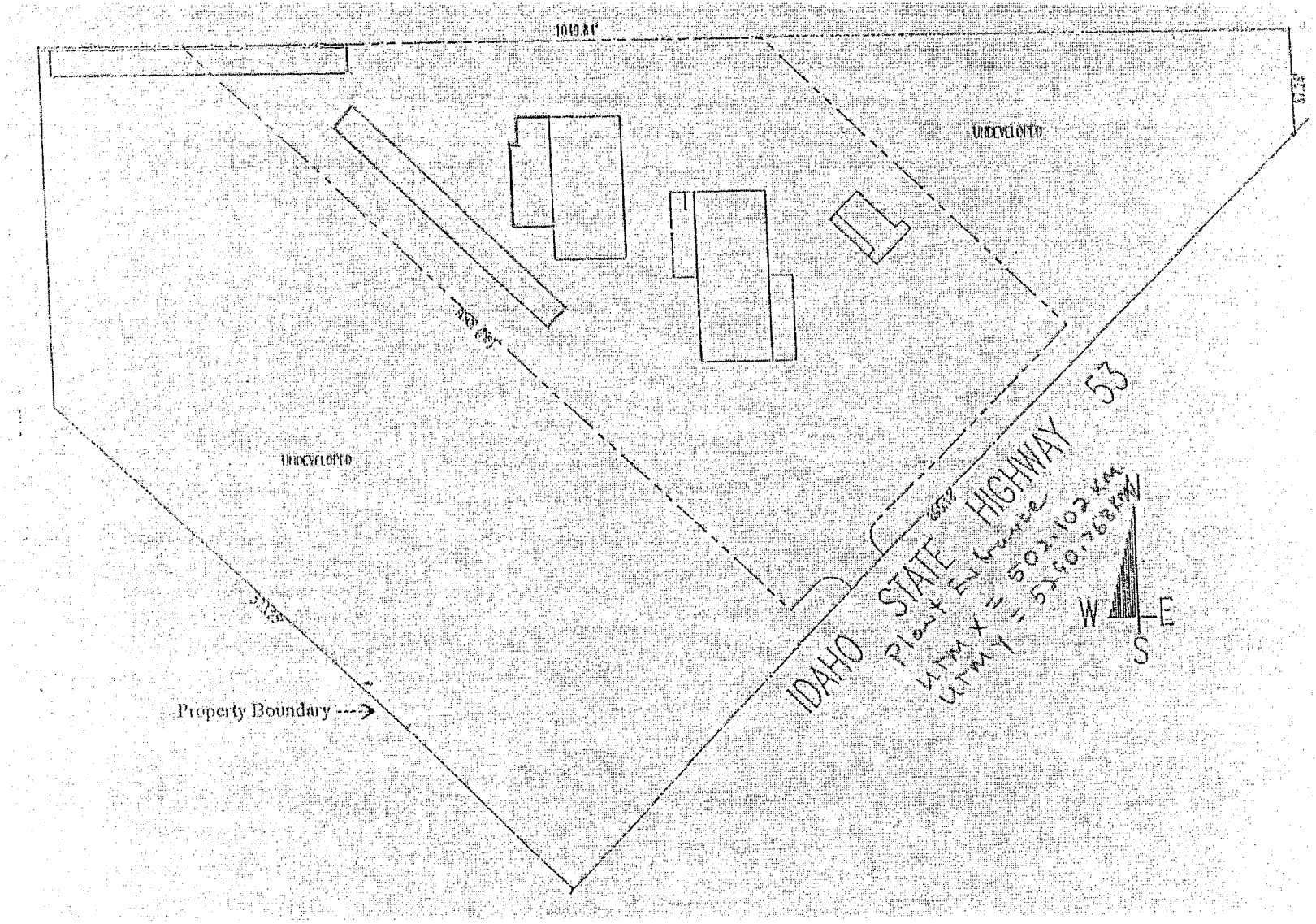
$E=k*(sL/12)^{0.8}* (W/3)^{0.4}/(M/0.2)^{0.3}$

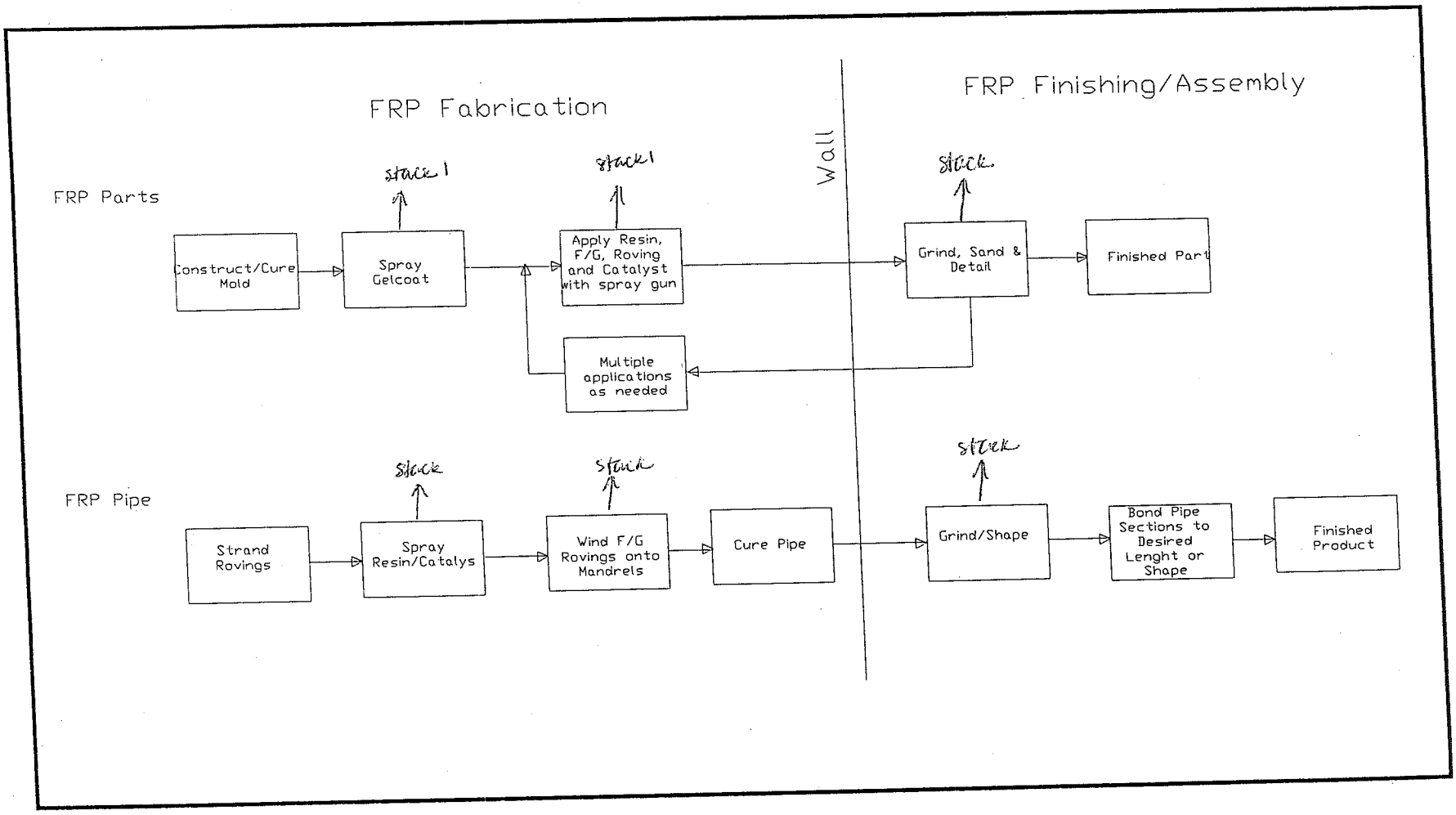
where:	PM30	PM10	
k=	10	2.6	base emission factor (lb/VMT)
sL=	18.8	18.8	silt content (%)
W=	5	5	Fork Truck weight (tons)
W=	1.5	1.5	Car weight (tons)
W=	7.5	7.5	Truck weight (tons)
M=	10	10	Surface moisture content, %
E=	5.43	1.41	Emission factor (lb/VMT), Fork Truck
E=	3.36	0.87	Emission factor (lb/VMT), Cars
E=	6.39	1.66	Emission factor (lb/VMT), Trucks
	Emissions = E*VMT = E*Mi*O		
Mi=	0.96	0.96	Miles/day - Fork Truck
Mi=	1.15	1.15	Miles/day - Cars
Mi=	0.04	0.04	Miles/day - Trucks
O=	260	260	days/year
Emissions =	2426	631	lbs/year
Emission Control =	50%	50%	% - Mag Chloride application & sweeping
Emissions =	1213	315	lbs/year controlled

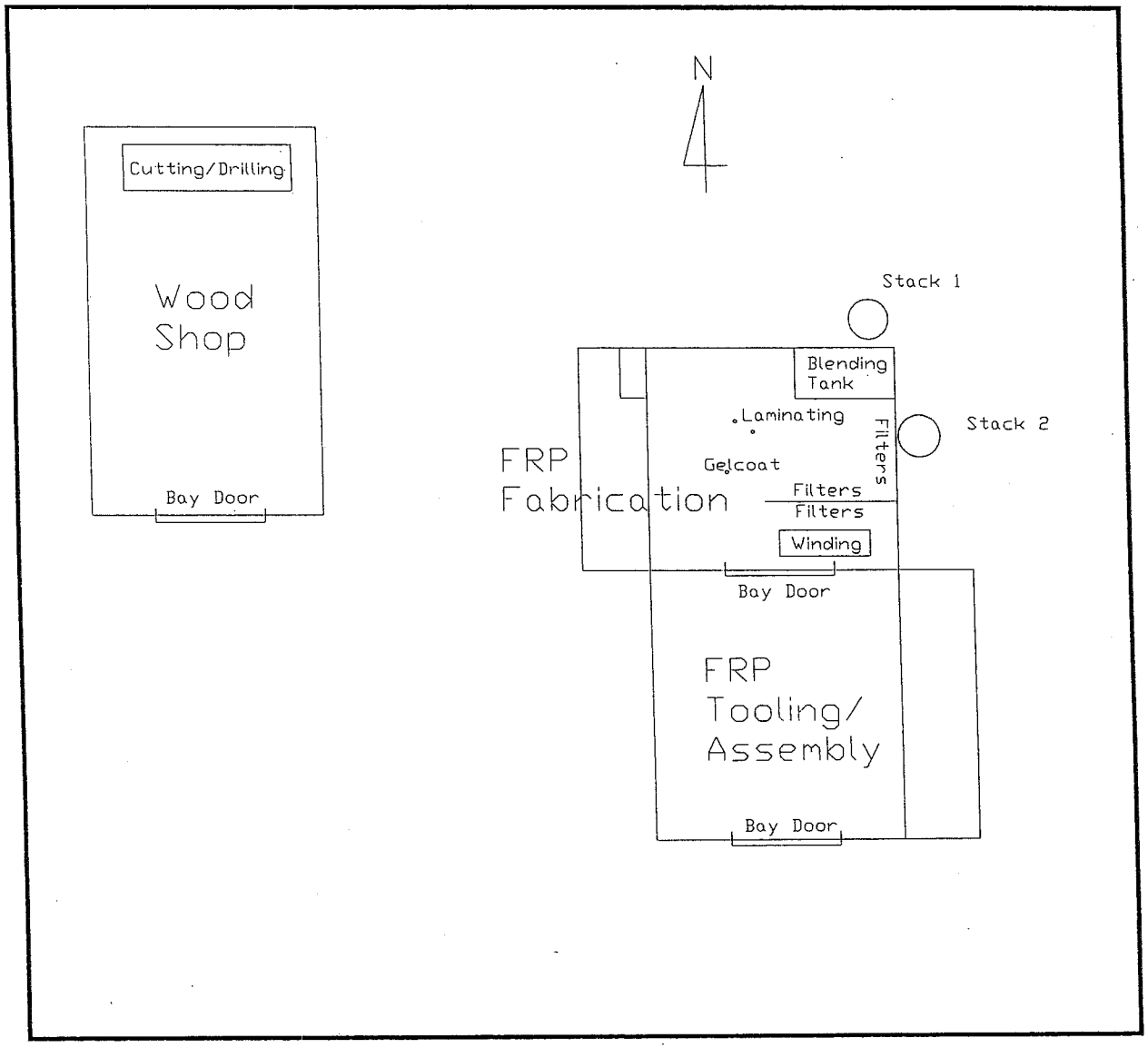
Notes:

1. Used midpoint of silt content and moisture content from Table 13.2.2-3. Range of Source Conditions Used in Developing Equation 1.
2. PM30 assumed to equal Total Suspended Particulate (TSP)
3. 10% of the significance level for ozone = 4 tons/year VOC
4. 10% of the significance level for PM-10 = 1.5 tons/year PM-10
5. 10% of the significance level for PM = 2.5 tons/year PM


DYNAMIC FABRICATORS
SPECIALTY FEEDS
22713 W. Hwy. 53
HIDDEN VALLEY
Howelltown
Whiskey Dick Flat
Saddle Ridge
Howell Gulch
Birch Ditch
Lost Lake
Eisenhauer Ridge
Greenacres
East Greenacres
Gravel Pit
BM 2174
BM 2147
BM 2157
BM 2140
BM 2146
BM 2126
BM 2116
Pacific Northern Pipeline
Milwaukee Road
St. Paul Road
Chicago Ditch
North Ditch
East Ditch
Hayden
McGuire Road
Bodine Road
T. 52 N.
T. 51 N.
47°30"
47°45'
117°00'
2 230 000 FEET
200 000 FEET
SCALE 1:24 000
CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by photogrammetric methods from aerial photographs taken 1958. Field checked 1961
Polyconic projection. 1927 North American datum
10,000-foot grid based on Idaho coordinate system, west zone
1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue
Fine red dashed lines indicate selected fence lines
National Forest shown by proclamation boundary
Private ownership not shown within National Forest
UTM GRID AND 1961 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGI
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUES


1049.81'
UNDEVELOPED
UNDEVELOPED
Property Boundary
IDAHO STATE HIGHWAY 53
W
E
S


FRP Fabrication
FRP Finishing/Assembly
Wall
FRP Parts
stack 1
stack 1
stack
Construct/Cure Mold
Spray Gelcoat
Apply Resin, F/G, Roving and Catalyst with spray gun
Grind, Sand & Detail
Finished Part
Multiple applications as needed
FRP Pipe
stack
stack
stack
Strand Rovings
Spray Resin/Catalys
Wind F/G Rovings onto Mandrels
Cure Pipe
Grind/Shape
Bond Pipe Sections to Desired Lenght or Shape
Finished Product


N
Cutting/Drilling
Wood Shop
Bay Door
Stack 1
Blending Tank
Laminating
Stack 2
Filters
FRP Fabrication
Gelcoat
Filters
Filters
Winding
Bay Door
FRP Tooling/ Assembly
Bay Door

2003 Emissions Summary

Emitting Process	PM-10		SO2		CO		NOx		VOC		Lead		HAPs	
	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr
FRP Fabrication	1.19	4.17							11.7	41.1			7.94	27.93
FRP Tooling & Assembly [1]	0.82	2.89												
Totals	2.01	7.06							11.7	41.1			7.94	27.93

(1) Based on actual non-Fiberglass Process weight.

2003 Material Usage Summary

Resin		2003 lb/year	Permitted lb/year	% Styrene	% MMA	% Vin. Acet.	% Co Cmp	% MEK
General Purpose		335206		34.1				
Specialty Resin								
Isophthalic		73937		45.7				
Isophthalic, FR		1120		36.8				
Isophthalic, Wide Spec		10340		37.2	5		0.5	
Fire Resistant		319508		37.1				
Fire Resistant		11300		32.3				
Tooling		6413		45.5				
Thixo Putty		11986		20				
	Subtotal	434604						
Total Resins		769810	720000			0.5		
Gelcoat								
CCP gray		47031		32.9	4.75			
Interplastics gray		50164		38.1				
Light Sand		8253		32.1	4.6			
944-W White		709		30.8	4.97			
Orange		320		42	4.6			
Black		115		43.7	4.46			
Green		401		42.3	4.95			
Total Gelcoats		106993	103000					
Catalyst		15191	17500					1.5
Fiberglass		417249	400000					
Acetone		4070	7200					

(UEF) Emission Factor

Product No.	Manufacturer	U/M	Styrene%	Lbs/Ton	% of Resin	January Mat. Lbs.	January Emissions	February Mat. Lbs.	February Emissions	March Mat. Lbs.	March Emissions	April Mat. Lbs.	April Emissions	May Mat. Lbs.	May Emissions	June Mat. Lbs.	June Emissions	July Mat. Lbs.	July Emissions	August Mat. Lbs.	August Emissions	September Mat. Lbs.	September Emissions	October Mat. Lbs.	October Emissions	November Mat. Lbs.	November Emissions	December Mat. Lbs.	December Emissions	Total Mat. Lbs.	Total Emissions	MMA Emissions	MEK Emissions	VOC Emissions	Annual Styrene Pounds	Annual MMA lbs	Annual Co lbs	Annual V. Ace. lbs	Annual MEK lbs
GP Resins																																								
168-0616 Mechanical Non-Atomized	Eastman	lbs	34.1%	74	3.70%	47,861	1,771	37,527	1,388	44,033	1,629	19,274	713	13,258	491	938	35	5,939	220	12,701	470	8,556	317	46,633	1,725	62,815	2,324	32,699	1,210	332,233	12,293			13,954							
168-0616 Filament Wound	Eastman	lbs	34.1%	127	6.35%	48	3	-	-	807	51	1,014	64	-	-	923	59	-	-	102	7	78	5	-	-	-	-	-	-	2,973	189			204							
168-0616 Total	Eastman	lbs	34.1%			47,909	-	37,527	-	44,840	-	20,288	-	13,258	-	1,861	-	5,939	-	12,803	-	8,634	-	46,633	-	62,815	-	32,699	-	335,206	-				114305						
Mechanical Non-Atomized						47,861	1,771	37,527	1,388	44,033	1,629	19,274	713	13,258	491	938	35	5,939	220	12,701	470	8,556	317	46,633	1,725	62,815	2,324	32,699	1,210	332,233	12,293										
Filament Wound					0.30%	48	3	-	-	807	51	1,014	64	-	-	923	59	-	-	102	7	78	5	-	-	-	-	-	-	2,973	189										
Sub-Total						47,909	1,774	37,527	1,388	44,840	1,680	20,288	778	13,258	491	1,861	93	5,939	220	12,803	476	8,634	322	46,633	1,725	62,815	2,324	32,699	1,210	335,206	12,481										
				Filament Wound % >		0.10%		0.00%		1.60%		5.00%		0.00%		49.60%		0.00%		0.90%		0.90%		0.00%		0.00%		0.00%													
Iso Resins																																								
186-0616 Mechanical non-Atomized	Eastman	lbs	45.7%	97	4.84%	1,427	69	4,262	206	3,594	174	4,889	236	799	39	5,167	250	1,457	70	1,004	49	-	-	520	25	925	45	357	17	24,399	1,180			1,180							
186-0616 Filament Wound	Eastman	lbs	45.7%	167	8.36%	2,897	242	8,653	723	7,296	610	9,925	830	1,623	136	10,490	877	2,958	247	2,038	170	-	-	1,055	88	1,878	157	725	61	49,538	4,141			4,141							
MCW186-0616 Total	Eastman	lbs	45.7%			4,324	-	12,915	-	10,890	-	14,814	-	2,422	-	15,657	-	4,414	-	3,042	-	-	-	1,574	-	2,803	-	1,082	-	73,937	-				33789.1						
EAS 179-0561 ISO FR Mechanical Non-Atomized	Eastman	lbs	36.8%	82.4	4.12%	250	10	119	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	370	15			15							
EAS 179-0561 ISO FR Filament Wound	Eastman	lbs	36.8%	142.8	7.14%	508	36	242	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	750	54			54							
EAS 179-0561 FR Total	Eastman	lbs	36.8%			759	-	361	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,120	-				412.16						
EAS 170-7995 Iso Mechanical Non-Atomized	Eastman	lbs	37.2%	93.6	4.18%	-	-	-	-	2,908	122	504	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,412	143			143							
EAS 170-7995 Iso Filament Wound	Eastman	lbs	37.2%	145	7.25%	-	-	-	-	5,905	428	1,023	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,928	502			502							
Wide Spec Iso	Eastman	lbs	37.2%							8,813		1,527																		10,340		388		388	3846.48	517	51.70				
Mechanical Non-Atomized						1,677	79	4,381	211	6,502	295	5,393	257	799	39	5,167	250	1,457	70	1,004	49	-	-	520	25	925	45	357	17	28,181	1,338			57.0%							
Filament Wound						3,405	278	8,895	741	13,201	1,038	10,948	904	1,623	136	10,490	877	2,958	247	2,038	170	-	-	1,055	88	1,878	157	725	61	57,216	4,697										
Sub-Total						5,083	358	13,276	952	19,703	1,333	16,341	1,161	2,422	174	15,657	1,127	4,414	318	3,042	219	-	-	1,574	113	2,803	202	1,082	78	85,397	6,034										
				Filament Wound % >		67.00%		67.00%		67.00%		67.00%		67.00%		67.00%		67.00%		67.00%		67.00%		67.00%		67.00%		67.00%		67.00%											
FR Resins																																							
EAS 752-4425 FR Mechanical Non-Atomized	Eastman	lbs	37.1%	83.03	4.15%	21,391	888	21,486	892	12,468	518	34,575	1,435	40,364	1,676	39,408	1,636	22,893	950	1,577	65	24,209	1,005	21,002	872	17,447	724	46,205	1,918	303,026	12,580			21,671							
EAS 752-4425 FR Filament Wound	Eastman	lbs	37.1%	144.6	7.23%	-	-	733	53	280	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,600	405	9,869	713	16,483	1,191			1,685							
EAS 752-4425 FR Total	Eastman	lbs	37.1%			21,391	-	22,220	-	12,748	-	34,575	-	40,364	-	39,408	-	22,893	-	1,577	-	24,209	-	21,002	-	23,047	-	56,074	-	319,508	-				118537						
FR620T-20S FR Mechanical Non-Atomized	Ashland	lbs	32.3%	93.9	4.20%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,300	474	-	-	-	-	-	-	-	-	11,300	474			564							
FR620T-20S FR Filament Wound	Ashland	lbs	32.3%	145.5	7.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-							
FR620T-20S FR Total	Ashland	lbs	32.3%			-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,300	-	-	-	-	-	-	-	-	-	11,300	-				3649.9						
Mechanical Atomized						21,391	888	21,486	892	12,468	518	34,575	1,435	40,364	1,676	39,408	1,636	22,893	950	12,877	540	24,209	1,005	21,002	872	17,447	724	46,205	1,918	314,326	13,054			5.0%							
Filament Wound						-	-	733	53	280	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,600	405	9,869	713	16,483	1,191										
Sub-Total						21,391	888	22,220	945	12,748	538	34,575	1,435	40,364	1,676	39,408	1,636	22,893	950	12,877	540	24,209	1,005	21,002	872	23,047	1,129	56,074	2,631	330,808	14,245										
				Filament Wound % >		0.00%		3.30%		2.20%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		24.30%		17.60%													
Tooling Resins *(Mechnical Non-Atomized)*																																							
335400-00 Tooling	Reichold	lbs	46.6%	354	17.70%	-	-	338	60	891	158	716	127	727	129	468	83	176	31	232	41	967	171	670	119	1,037	184	191	34	6,413	1,135			1,167	2917.92			32.07			
Sub-Total						-	-	338	60	891	158	716	127	727	129	468	83	176	31	232	41	967	171	670	119	1,037	184	191	34	6,413	1,135										
Gelcoats																																							
CCP 944-AC-050 Gray	Cook	lbs	32.9%	293	14.66%	8,607	1,262	10,865	1,595	12,050	1,766	8,102	1,188	-	-	6,836	1,002	550	81	-	-	-	-	-	-	-	-	-	-	47,031	6,893	1,764		8,657	15490.5	2,234.0					
Interplastics B-425-IHM	Interplastics	lbs	39.1%	398	19.90%	-	-	-	-	-	-	-	-	-	-	-	-	4,498	895	4,744	944	5,378	1,070	10,316	2,053	11,626	2,314	13,601	2,707	50,164	9,983			9,983	19112.4						
Light Sand NG-31656	Neste	lbs	39.1%	398	19.90%	-	-	-	-	53	11	2,868	569	2,647	567	2,436	485	3	.1	56	11	-	-	-	-	-	-	-	-	8,253	1,642	309		1,952	2649.17	379.6					
944-W-005 White	Cook	lbs	30.8%	274	13.70%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	550	75	-	-	159	22	-	-	-	-	709	97	27		124	218.372	35.2					
Orange	Cook	lbs	42.0%	461	24.05%	-	-	80	19	-	-	(35)	(8)	7	2	-	-	54	13	83	20	70	17	63	15	-	-	(2)	(0)	320	77	12		89	134.4	14.72					
Black	Cook	lbs	43.7%	315	15.75%	-	-	115	18	-	-	134	21	(31)	(5)	28	4	-	-	159	25	-	-	43	7	-	-	58	11	401	63	15		78	169.412	19.8					
Green 944-GA-047	Cook	lbs	42.3%	315	15.75%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Sub-Total						8,607	1,262	10,965	1,615	12,748	1,870	11,059	1,769	2,293	488	9,300	1,491	5,105	989	5,592	1,076	5,448	1,087	10,581	2,097	11,626	2,314	13,667	2,717	106,992	18,773										
Thixo Putty CMI 1366F	Reichold	lbs	20.0%	67.6	3.38%	299	10	1,313	44	811	27	3,638	123	1,349	46	697	24	367	12	399	13	389	13	838	28	468	16	1,418	48	11,986	405			405	2397.2						
Sub-Total						299	10	1,313	44	811	27	3,638	123	1,349	46	697	24	367	12	399	13	389	13	838	28	468	16	1,418	48	11,986	405										
Total Resins	769,810	lbs				74,682	3,030	74,674	3,389	78,993	3,737	75,558	3,624	58,120	2,515	58,091	2,962	33,790	1,531	29,352	1,289	34,199	1,511	70,717	2,858	90,170	3,854	91,464	4,001	769,810	34,301										
Total Gelcoats	106,476	lbs				8,607	1,262	10,965	1,615	12,748	1,870	11,059	1,769	2,293	488	9,300	1,491	5,105	989	5,592	1,076	5,448	1,087	10,581	2,097	11,626	2,314	13,667	2,717	106,992	18,773										
Total Styrene Emissions	53,074	lbs					4,291		5,004		5,607		5,393		3,003		4,454		2,521		2,365		2,598		4,954		6,168		6,718		53,074										
Total Styrene Emissions (tons)	26.54	Tons					2.15		2.50		2.80		2.70		1.50		2.23		1.26		1.18		1.30		2.48		3.08		3.36		26.54										
Sytrene Emissions (Pounds per Hour)	7.54						6.96		9.22		9.25		8.88		4.51		7.79		4.30		4.85		6.77		6.44		9.50		12.19		7.54										
							617		543		606		607		666		572		586		483		384		769		649		551		7,033										
Fiberglass Shop Hours of Operation																																								
Total Catalyst	15,591	lbs				1,458		2,297		1,592		1,687		1,188		1,141		920		639		741		1,038		1,498		1,392		15,591			234	15,279				233.9			
Total Glass	417,249	lbs				36,639		44,496		43,185		49,676		29,276		31,155		17,902		15,625		16,036		32,995		48,631		51,634		417,249										
Total Acetone	4,070	lbs				264		282		282		401		287		365		365		365		365		365		365		365		4,070										
Total Resins	*769,810*					*74,682*		*74,674*		*78,993*		*75,558*		*58,120*		*58,091*		*33,790*		*29,352*		*34,199*		*70,717*		*90,170*		*91,464*		*769,810*										
Total Gelcoats	*106,476*					*8,607*		*10,965*		*12,748*		*11,059*		*2,293*		*9,300*		*5,105*		*5,592*		*5,448*		*10,581*		*11,626*		*13,667*		*106,992*										
Total Catalyst	*15,591*					*1,458*		*2,297*		*1,592*		*1,687*		*1,188*		*1,141*		*920*		*639*		*741*		*1,038*		*1,498*		*1,392*		*15,591*										
Total Glass	*417,249*		34.7%	< Overall Glass Content		*36,639*		*44,496*		*43,185*		*49,676*		*29,276*		*31,155*		*17,902*		*15,625*		*16,036*		*32,995*		*48,631*		*51,634*		*417,249*										
Total Acetone	*4,070.00*	339.17	Avg # /month			*263.50*		*282.00*		*282.00*		*400.50*		*287.00*		*365.00*		*365.00*		*365.00*		*365.00*		*365.00*		*365.00*		*365.00*		*4,071*										
Totals						4,291		5,004		5,607		5,393		3,003		4,454		2,521		2,365		2,598		4,954		6,168		6,718		2										
						2.15		2.50		2.80		2.70		1.50		2.23		1.26		1.18		1.30		2.48		3.08		3.36												
Fugitive Emissions																																								
Total Stack Emissions	53,074																																							

Emissions Summary

	Styrene	*MMA*	*MEK*	*VOC*	*Vin. Ace.*	
	lb/year	*lb/year*	*lb/year*	*lb/year*	*lb/year*	Total Lbs HAPS in products used
	53,074	2,519	234	82,256	32,065	
	lb/hour	*lb/hour*	*lb/hour*	*lb/hour*	*lb/hour*	Styrene MMA Co Cmp. Acetate MEK Vinyl
	7.54	0.36	0.03	11.69	9.565	317680 3205.5 51.7 32.065 233.9
						Wt Fraction in Input Stream by Wt.
						0.24 0.0024 3.95E-05 2.45E-05 1.79E-04
						Wt Fraction in Product Stream by Wt.
						0.20 0.0005 3.95E-05 0 0

Monthly hourly material usage

	lbs/hour	lbs/hour	lbs/hour	lbs/hour	lbs/hour	lbs/hour	lbs/hour	lbs/hour	lbs/hour	lbs/hour	lbs/hour	lbs/hour	lbs/hour
Resins	121.0	137.5	130.4	124.5	87.3	101.6	57.7	60.1	89.1	92.0	138.9	166.0	109.4
Gelcoats	13.9	20.2	21.0	18.2	3.4	16.3	8.7	11.5	14.2	13.8	17.9	24.8	15.2
Catalysts	2.4	4.2	2.6	2.8	1.8	2.0	1.6	1.3	1.9	1.3	2.3	2.5	2.2
Glass	59.4	81.9	71.3	81.8	44.0	54.5	30.5	32.0	41.8	42.9	74.9	93.7	59.3
Acetone	0.43	0.52	0.47	0.66	0.43	0.64	0.62	0.75	0.95	0.47	0.56	0.66	0.58

Note, assume all cobalt reverts to product and all vinyl acetate & MEK are emitted to air

SECTION 2: FUEL BURNING EQUIPMENT

DEQ USE ONLY

DEQ PLANT ID CODE | DEQ PROCESS CODE | DEQ STACK ID CODE

DEQ BUILDING CODE | PRIMARY SCC | SECONDARY SCC

DEQ SEGMENT CODE

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Not Applicable. All fuel burning equipment is less than 5 mmbtu/hr

STACK DESCRIPTION

BUILDING DESCRIPTION

MANUFACTURER | MODEL | DATE INSTALLED

DATE LAST MODIFIED

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR | 1000 LBS STEAM/HR | KILOWATTS | HORSEPOWER

BURNER TYPE | % USED FOR PROCESS

% USED FOR SPACE HEAT

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)				
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)				
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);

07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;

11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL

06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;

10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL

14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB

MAR-MAY

JUN-AUG

SEP-NOV

OPERATING SCHEDULE

HOURS/DAY

DAY/WEEK

WEEKS/YEAR

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?

HOOD TYPE (FROM APP. B)

MINIMUM FLOW (ACFM)

PERCENT CAPTURE EFFICIENCY

BUILDING HEIGHT (FT)

BUILDING/AREA LENGTH (FT)

BUILDING/AREA WIDTH (FT)

STACK DATA

GROUND ELEVATION (FT)

UTM X COORDINATE (KM)

UTM Y COORDINATE (KM)

STACK TYPE (SEE NOTE BELOW)

STACK EXIT HEIGHT FROM GROUND LEVEL (FT)

STACK EXIT DIAMETER (FT)

STACK EXIT GAS FLOWRATE (ACFM)

STACK EXIT TEMPERATURE (DEG. F)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC							
LEAD							

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

PROCESS 1 – FRP FABRICATION

1. General Information is presented on pages 17 and 18.

2. Emission calculations are presented on page 19. No excess emissions have been observed from this facility in terms of opacity nor calculated based on material throughput. No excess emissions are expected from startup, shutdown or scheduled maintenance.

3. Applicable and non-applicable requirements are presented for the entire facility in Section 9 since processes at the facility are either vented through stacks 1 and 2 (included in this process) or are classified as insignificant under IDAPA 58.01.01.317.

4. No alternative operating scenarios are requested.

5. Compliance certification is presented on pages 20 and 21.

6. A compliance plan is presented in Section 10.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

DEQ USE ONLY

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	FRP Fabrication
STACK DESCRIPTION	Emits through Stack 1 and Stack 2.
BUILDING DESCRIPTION	Fiberglass Building, Fiberglass Room

MANUFACTURER	N/A	MODEL	N/A	DATE INSTALLED	1993
				DATE LAST MODIFIED	N/A

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS
INPUT	Gelcoat/Resin	149	124.6	lbs/hour
	Catalyst	2.1	2.2	lbs/hour
	Fiberglass	77	59.3	lbs/hour
	Solvent - Acetone (1)	0.65	0.58	lbs/hour
PRODUCT OUTPUT	Unfinished FRP Articles	229	187	lbs/hour
WASTE OUTPUT	Included in FRP Assembly			
RECYCLE	None	N/A	N/A	N/A

POTENTIAL HAPS IN PROCESS STREAM(S)

HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
Styrene	100-42-5	0.24	0.20	0.20	N/A
Methyl Methacrylate	80-62-6	0.0024	0.0005	0.0005	N/A
Methyl Ethyl Ketone	78-93-3	1.79E-04	0	0	N/A
Vinyl Acetate	108-05-4	2.45E-05	0	0	N/A

(1) Acetone Assumed to be VOC per PTC 055-00035 and required to be reported as "Non-Styrene VOC". A PTC modification has been submitted to delete this requirement as Actone is no longer a VOC.

SECTION 3, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	N/A
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	Particulate Filter	None
TYPE CODE (FROM APP. A)	058	
MANUFACTURER	Ammerman	
MODEL NUMBER	SIB33TEP	
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	Y
HOOD TYPE (FROM APP. B)	05 Booth
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	19
BUILDING/AREA LENGTH (FT)	170
BUILDING/AREA WIDTH (FT)	75

STACK DATA

GROUND ELEVATION (FT)	2140
UTM X COORDINATE (KM)	502.1
UTM Y COORDINATE (KM)	5290.5
STACK TYPE (SEE NOTE BELOW)	2 (1)
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	28 (1)
STACK EXIT DIAMETER (FT)	2 (1)
STACK EXIT GAS FLOWRATE (ACFM)	14300 (1)
STACK EXIT TEMPERATURE (DEG. F)	68 (1)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM		0.02 lb/lb (2)	80	1.19	1.54	4	PTC 055-00035
PM-10		0.02 lb/lb (2)	80	1.19	1.54	4	PTC 055-00035
SO2							
CO							
NOX							
VOC (Total)		0.0922 lb/lb	0	11.69	NA	NA	
VOC (Acetone (non-styrene VOC)) (3)		1.0000 lb/lb	0	0.58	0.65	1.69	PTC 055-00035
LEAD							
Styrene	100-42-5	0.0606 lb/lb (4)	0	7.54	18.1	54.4	PTC 055-00035
MMA	80-62-6	7.19E-10 lb/lb (4)	0	0.358	NA	NA	
MEK	78-93-3	1.50E-02 lb/lb (5)	0	0.0332	NA	NA	
Vinyl Acetate	108-05-4	3.86E-05 lb/lb (6)	0	0.0046	NA	NA	

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

(1) "Two (2) idential stacks ventilate this process.

(2) Based on total lbs fiberglass used in process

(3) Acetone assumed to be VOC per PTC 055-00035 and required to be reported as "Non-Styrene VOC". PTC modification has been submitted to delete this requirement as Acetone is no longer a VOC

(4) Styrene and MMA emission factors are averages based on products used and ACMA UEF factors.

(5) MEK emission factor based on total lbs catalyst used in process

(6) All Vinyl Acetate assumed emitted. Emission factor based on total lbs resins and gelcoats used.

Process 1 FRP Fabrication Emissions Summary and Emission Factors

2003 Calculated Particulate emissions

Total lbs Fiberglass	Emission Factor	Hours of Operation	lbs/hour	Tons/year	
417249	E=PW*0.1*0.2 (1)	7038	1.19	4.17	actual
400000	*E=PW*0.1*0.2 (1)*		*1.54*	*4*	*permitted*

2003 Calculated VOC emissions

Total lbs Gelcoat/ Resin/Catalyst	Emission Factor	Hours of Operation	lbs/hour	Tons/year	
891877	0.0922	7038	11.69	41.13	actual

2003 Calculated non-styrene VOC emissions (specifically Acetone)

Total gallons Acetone	Density of Acetone	Total lbs Acetone	lbs/hour	Tons/year	
617.6	6.59	4070	0.58	2.035	actual
520			*0.65*	*1.69*	*permitted*

2003 Calculated Styrene Emissions

Total lbs Gelcoat/Resin	Emission Factor, lbs/lb	Hours of Operation	lbs/hour	Tons/year	
876086	0.0606	7038	7.54	26.54	actual
823000			*18.1*	*54.4*	*permitted*

2003 Calculated MMA emissions

Total lbs Gelcoat/Resin	Emission Factor	Hours of Operation	lbs/hour	Tons/year	
876086	7.19E-10	7038	0.3579	1.26	actual

2003 Calculated MEK emissions

Total lbs Catalyst	Emission Factor	Hours of Operation	lbs/hour	Tons/year	
15591	1.50E-02	7038	0.0332	0.117	actual

2003 Calculated Vinyl Acetate emissions

Total lbs Gelcoat/Resin	Emission Factor	Hours of Operation	lbs/hour	Tons/year	
876086	3.66E-05	7038	0.0046	0.0160	actual

(1) Underlying assumptions for emissions calculations, PTC 055-00035 - Assumes 10% of Fiberglass applied is released to the room and 20% is not captured by collection system

Processes 1 & 2 – Compliance Status of FRP Fabrication, Tooling and Assembly

Tier 1 Permit Condition	Condition Title / Description	Comments
2.1	The PM and PM_{10} emissions from Stack 1 & 2 combined shall not exceed 2.19 lb/hr and annual PM and PM_{10} shall not exceed 5.68 T/yr.	Reference the comments for Permit Conditions 2.2 – 2.6 and 2.8.
2.2	Performance test shall be conducted for PM emissions if the visible emissions exceed 20% opacity for more than 3 minutes in any 60-minute period from either Stack 1 or 2.	There has been no evidence of visible emissions greater than 20% opacity for more than 3 minutes in any 60-minute period during the report period. A performance test has not been conducted.
2.3	Within 60 days of issuance of this permit, permittee shall develop an O&M Manual for the filters used to control particulate emissions, which describe the procedures for compliance with Permit Condition 2.1.	Yes, the procedures are available on-site.
2.4	The permittee shall at all times keep exterior doors and/or windows of the building used for fiber glassing operations tightly closed except for the explicit purpose of moving necessary equipment, materials, or personnel into or out of the building.	The doors to this building are normally kept closed and the doors to the fiberglass area are always kept closed except when it is necessary to move equipment, materials or personnel into or out of the building. We have submitted a request to modify the PTC on November 19, 2003 in order to clarify this condition to indicate that the doors to the fiberglass **area** should be kept closed rather than the doors to the fiberglass **building**.
2.5	Maximum usage of fiberglass shall not exceed 400,000 pounds per any consecutive 12 months.	Fiberglass usage has not exceeded 400,000 lb/12-month period as documented on our electronic emissions inventory maintained on Dynamic Fabricator's file server.
2.6	The permittee shall monitor & record the total pounds of fiberglass used each month. This info shall be maintained in records and shall be kept onsite for 5 years.	Fiberglass usage is documented in our accounting system and on the emissions inventory worksheet located on the file server.
2.7	The permittee shall not emit to the atmosphere from any process or equipment, commencing operation on or after October 1, 1979, PM in excess of the amount shown by the equations in section 2.7, subpart (a) and (b) of the permit.	Reference the comments for Permit Conditions 2.2 – 2.6 and 2.8.
2.8	At least once during the permit term, the permittee shall perform performance tests to measure PM and PM_{10} emissions from Stack 1 & 2 exhaust stacks to demonstrate compliance w/Permit Conditions 2.1 and 2.7. The test must be done while operating at maximum achievable full load.	This testing is due by December 29, 2004 and has not been conducted yet.
2.9	The VOC emissions (other than styrene) from Stack 1 & 2 combined shall not exceed 1.69 T/yr.	Non-styrene VOC emissions have not exceeded 1.69 tpy as documented on our electronic emissions inventory on Dynamic Fabricator's file server.
2.10	The permittee shall monthly monitor & record the amount of non-styrene VOC's which were emitted. Each month total the number of tons emitted during the previous 12-months. Record the amount of any VOC containing material used, % VOC and % styrene if present.	Non-styrene VOC emissions are documented on the emissions inventory worksheet located on the file server.
2.11	The permittee shall not use more than 600 pounds of acetone per month.	Acetone usage has not exceeded 600 lbs/month during the reporting period as documented on our electronic emissions inventory on Dynamic Fabricator's file server. We have requested a permit modification that would remove this condition since EPA has determined that Acetone is not a VOC.
2.12	The permittee shall monitor and record the amount of acetone used each month in lbs.	Acetone usage is documented in our accounting system and on the emissions inventory worksheet located on the file server. We have requested a permit modification that would remove this condition since EPA has determined that Acetone is not a VOC.

Tier 1 Permit Condition	Condition Title / Description	Comments
2.13	The combined styrene emission from Stack 1 & 2 shall not exceed 18.1 lb/hr.	Styrene emissions have not exceeded 18.1 lb/hr based on records related to air quality concerns which are maintained at the facility via the accounting system, the DEQ Manual, production records, and electronic files.
2.14	The combined annual styrene emissions from Stack 1 & 2 shall not exceed 54.4 T/yr.	Styrene emissions have not exceeded 54.4 tpy as documented on our electronic emissions inventory on Dynamic Fabricator's file server.
2.15	The permittee shall use polyester resins with a monomer content of no more than 35% by weight. This provision shall not apply to gelcoat, resin used for mold construction, and corrosion-resistant resin.	Dynamic Fabricators complies with the 35% styrene monomer limit except for one class of specialty resins not included in this exemption list – fire retardant chemicals. We have requested a modification to reflect this specialty resin in the renewal PTC application initially submitted November 19, 2003.
2.16	Excluding the gelcoat and specialty resins, 90% by weight of all polyester resins used by the permittee shall have a styrene monomer content of no more than 35% by weight.	This is true and has been documented on the monthly emissions inventories.
2.17	The permittee shall use a gelcoat with a styrene monomer content of no more the 43% by weight.	This is true and has been documented on the monthly emissions inventories.
2.18	Airless spray guns shall be used for all spray-up processes, including gelcoat application.	Only airless spray guns are used at the facility for spray-up processes including gelcoat application.
2.19	The permittee shall use closed containers for the disposal of all gelcoat, resin, catalyst, and cleaning materials to effectively control styrene and VOC emissions to the surrounding air.	All containers are closed except when transferring material into or out of.
2.20	The permittee shall not allow containers of gelcoat, resin, catalyst, or cleaning materials to be open to the atmosphere, other than to transfer material to or from the container.	Empty containers are drained and reused or disposed of according to state and federal regulations. Containers of gelcoat, resin, catalyst and cleaning materials are not allowed to be open to the atmosphere for purposes other than transfer to or from.
2.21	Resins, gelcoat, and catalyst are restricted to a maximum usage in any consecutive 12-mo period: Resins 720,000 lb/yr, Gelcoat 103,000 lb/yr, Catalyst 17,000 lb/yr.	Resin, gelcoat, and catalyst usage have not exceeded the specified limits during the reporting period as documented on our electronic emissions inventory on Dynamic Fabricator's file server.
2.22	The permittee will monitor & record the pounds of resins, gelcoat & catalyst that were used monthly, rolling 12 month totals, and styrene content % by weight.	Resin, gelcoat and catalyst usage are documented in our accounting system and on the emissions inventory worksheet located on the file server.
2.23	Neither Stack 1 nor 2 shall be equipped with a rain cap or any other obstruction that would result in the downward deflection of the exhaust gas stream.	Neither Stack 1 nor 2 is equipped with a rain cap or any other obstruction at this time or at any time during the reporting period.
2.24	For any testing, when required, the permittee shall use the test methods to measure the pollutant emissions for the applicable requirements referenced in table 2.2 in the permit.	Reference the comment for Permit Condition 2.8.

PROCESS 2 – FRP TOOLING AND ASSEMBLY

1. General Information is presented on pages 23 and 24.

2. Emission calculations are presented on page 25. No excess emissions have been observed from this facility in terms of opacity nor calculated based on material throughput. No excess emissions are expected from startup, shutdown or scheduled maintenance.

3. Applicable and non-applicable requirements are presented for the entire facility in Section 9 since processes at the facility are either vented through stacks 1 and 2 (included in this process) or are classified as insignificant under IDAPA 58.01.01.317.

4. No alternative operating scenarios are requested.

5. No additional monitoring, recordkeeping, or reporting requirements exist for this process than were already defined on pages 20 and 21 for Process 1.

6. A compliance plan is presented in Section 10.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

DEQ USE ONLY

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	FRP Tooling/Assembly
STACK DESCRIPTION	Emits through Stack 1 and Stack 2.
BUILDING DESCRIPTION	Fiberglass Building, Assembly Room and Grinding Room

MANUFACTURER	N/A	MODEL	N/A	DATE INSTALLED	1993
				DATE LAST MODIFIED	N/A

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS
INPUT	Unfinished FRP articles	229		lbs/hour
PRODUCT OUTPUT	Finished FRP articles	215		lbs/hour
WASTE OUTPUT	Solid waste to landfill	14		lbs/hour
RECYCLE	None	N/A	N/A	N/A

POTENTIAL HAPS IN PROCESS STREAM(S)

HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
Styrene	100-42-5	Included in FRP Fabrication			
Methyl Methacrylate	80-62-6	Included in FRP Fabrication			
Methyl Ethyl Ketone	78-93-3	Included in FRP Fabrication			
Cobalt Compounds	N/A	Included in FRP Fabrication			
Vinyl Acetate	108-05-4	Included in FRP Fabrication			

SECTION 3, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	
DAY/WEEK	
WEEKS/YEAR	

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	Particulate Filter	None
TYPE CODE (FROM APP. A)	058	
MANUFACTURER	Ammerman	
MODEL NUMBER	SIB33TEP	
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	Y
HOOD TYPE (FROM APP. B)	05 Booth
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	80
BUILDING HEIGHT (FT)	19
BUILDING/AREA LENGTH (FT)	170
BUILDING/AREA WIDTH (FT)	75

STACK DATA

GROUND ELEVATION (FT)	2140
UTM X COORDINATE (KM)	502.1
UTM Y COORDINATE (KM)	5290.5
STACK TYPE (SEE NOTE BELOW)	2 (1)
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	28 (1)
STACK EXIT DIAMETER (FT)	2 (1)
STACK EXIT GAS FLOWRATE (ACFM)	14300 (1)
STACK EXIT TEMPERATURE (DEG. F)	68 (1)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM		E=0.045(PW)$^{0.4C}$ (2)	0	0.82	0.65	1.68	PTC 055-00035 (3)
PM-10		E=0.045(PW)$^{0.4C}$ (2)	0	0.82	0.65	1.68	PTC 055-00035 (3)
SO2							
CO							
NOX							
VOC (total)		Included in FRP Fabrication					
VOC (Acetone (non-styrene VOC)) (3)		Included in FRP Fabrication					
LEAD							
Styrene	100-42-5	Included in FRP Fabrication					
MMA	80-62-6	Included in FRP Fabrication					
MEK	78-93-3	Included in FRP Fabrication					
Cobalt Cmp	N/A	Included in FRP Fabrication					
Vinyl Acetate	108-05-4	Included in FRP Fabrication					

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED), 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

(1) 2 idential stacks ventilate this process.

(2) Based on total lbs of resin, gelcoat, and catalyst used. PTC 055-00035 incorrectly calculated process weight (PW) for this process and a PTC modification has been submitted to correct this

(3) Acetone Assumed to be VOC per PTC 055-00035 and required to be reported as "Non-Styrene VOC". PTC modification has been submitted to delete this requirement as Actone is no longer a \

Process 2 FRP Tooling & Assembly

2003 Calculated Particulate emissions						
Total lbs non-Fiberglass (PW)	Hours of Operation	lbs PW/hour	Emission Factor [1]	lbs/hour	Tons/year	
891877	7038	126.72	$E=0.045(PW)^{0.60}$	0.82	2.89	actual
			$E=0.045(PW)^{0.60}$	*0.65*	*1.68*	*permitted (2)*

(1) IDAPA 58.01.01.702.01.a

(2) Process Weight includes all non-fiberglass components. PTC #860-00035, Dated February 5, 1993 incorrectly subracted fiberglass (400,000 lb/year) twice

SECTION 4: WASTE INCINERATION

DEQ USE ONLY

DEQ PLANT ID CODE | DEQ PROCESS CODE | DEQ STACK ID CODE

DEQ BUILDING CODE | PRIMARY SCC | SECONDARY SCC

DEQ SEGMENT CODE

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Not Applicable to This Facility

STACK DESCRIPTION

BUILDING DESCRIPTION

MANUFACTURER | MODEL | DATE INSTALLED

DATE LAST MODIFIED

INCINERATOR TYPE | RATED HEATING CAPACITY (MILLION BTU/HOUR)

PRIMARY COMBUSTION CHAMBER DATA

WASTE RETENTION TIME (MINUTES) | MINIMUM TEMPERATURE (DEG. F) | COMBUSTION AIR FEED RATE (ACFM)

BURNER TYPE | PERCENT OVERFIRE AIR | GAUGE PRESSURE (IN. H20)

PERCENT UNDERFIRE AIR

PRIMARY CHAMBER FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)				
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)				
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)				

NOTE: INCINERATOR TYPES - 01) SINGLE CHAMBER; 02) MULTIPLE HEARTH; 03) ROTARY KILN; 04) FLUIDIZED BED;

05) OTHER (SPECIFY)

BURNER TYPE - 01) AXIAL FIRING; 02) RADIAL FIRING; 03) TANGENTIAL FIRING;

04) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) PROPANE

06) OTHER (SPECIFY)

SECTION 4, PART A

SECONDARY COMBUSTION CHAMBER DATA

COMBUSTION CHAMBER VOLUME (CUBIC FEET) [ ]

MINIMUM TEMPERATURE (DEG. F) [ ]

COMBUSTION AIR FEED RATE (SCFM) [ ]

COMBUSTION AIR FEED RATE (SCFM) [ ]

BURNER TYPE
(1) AXIAL FIRING
(2) RADIAL FIRING
(3) TANGENTIAL FIRING
(4) OTHER [ ]

GAUGE PRESSURE (INCHES WATER) [ ]

SECONDARY PRIMARY CHAMBER FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)				
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)				
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)				

NOTE: INCINERATOR TYPES - 01) SINGLE CHAMBER; 02) MULTIPLE HEARTH; 03) ROTARY KILN; 04) FLUIDIZED BED;

05) OTHER (SPECIFY) [ ]

BURNER TYPE - 01) AXIAL FIRING; 02) RADIAL FIRING; 03) TANGENTIAL FIRING;

04) OTHER (SPECIFY) [ ]

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) PROPANE

06) OTHER (SPECIFY) [ ]

PRIMARY CHAMBER MONITORING AND COMBUSTION CONTROLS

SECONDARY CHAMBER MONITORING AND COMBUSTION CONTROLS

SECTION 4, PART A

WASTE CHARACTERIZATION AND COMBUSTION RATE

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
WASTE DESCRIPTION				
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)				
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)				

METHOD OF ASH DISPOSAL

POTENTIAL HAPS IN WASTES

HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN WASTE FEED BY WEIGHT	FRACTION IN BOTTOM ASH BY WEIGHT	FRACTION IN FLY ASH BY WEIGHT

SECTION 4, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB

MAR-MAY

JUN-AUG

SEP-NOV

OPERATING SCHEDULE

HOURS/DAY

DAY/WEEK

WEEKS/YEAR

POLLUTION CONTROL EQUIPMENT

	PRIMARY	SECONDARY
PARAMETER TYPE		
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?

HOOD TYPE (FROM APP. B)

MINIMUM FLOW (ACFM)

PERCENT CAPTURE EFFICIENCY

BUILDING HEIGHT (FT)

BUILDING/AREA LENGTH (FT)

BUILDING/AREA WIDTH (FT)

STACK DATA

GROUND ELEVATION (FT)

UTM X COORDINATE (KM)

UTM Y COORDINATE (KM)

STACK TYPE (SEE NOTE BELOW)

STACK EXIT HEIGHT FROM GROUND LEVEL (FT)

STACK EXIT DIAMETER (FT)

STACK EXIT GAS FLOWRATE (ACFM)

STACK EXIT TEMPERATURE (DEG. F)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC							
LEAD							

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE

DEQ PROCESS CODE

DEQ STACK ID CODE

DEQ BUILDING CODE

PRIMARY SCC

SECONDARY SCC

DEQ SEGMENT CODE

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Not Applicable to This Facility

STACK DESCRIPTION

BUILDING DESCRIPTION

DATE INSTALLED

DATE LAST MODIFIED

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION

ANNUAL THROUGHPUT (GALLONS)

TANK CAPACITY (GALLONS)

SOURCE

TANK TYPE

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT

TANK SURFACE AREA (SQ. FT)

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)

METHOD OF VAPOR RECOVERY

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE

NUMBER OF PUMP SEALS

NUMBER OF IN-LINE VALVES

NUMBER OF SAFETY RELIEF VALVES

NUMBER OF OPEN-ENDED LINES

NUMBER OF SAMPLING CONNECTIONS

NUMBER OF SAMPLING CONNECTIONS

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB

MAR-MAY

JUN-AUG

SEP-NOV

OPERATING SCHEDULE

HOURS/DAY

DAY/WEEK

WEEKS/YEAR

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE		
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?

HOOD TYPE (FROM APP. B)

MINIMUM FLOW (ACFM)

PERCENT CAPTURE EFFICIENCY

BUILDING HEIGHT (FT)

BUILDING/AREA LENGTH (FT)

BUILDING/AREA WIDTH (FT)

STACK DATA

GROUND ELEVATION (FT)

UTM X COORDINATE (KM)

UTM Y COORDINATE (KM)

STACK TYPE (SEE NOTE BELOW)

STACK EXIT HEIGHT FROM GROUND LEVEL (FT)

STACK EXIT DIAMETER (FT)

STACK EXIT GAS FLOWRATE (ACFM)

STACK EXIT TEMPERATURE (DEG. F)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC							
LEAD							

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 6: LOADING RACKS

DEQ USE ONLY

DEQ PLANT ID CODE

DEQ PROCESS CODE

DEQ STACK ID CODE

DEQ BUILDING CODE

PRIMARY SCC

SECONDARY SCC

DEQ SEGMENT CODE

PART A: LOADING RACK DATA

PROCESS CODE OR DESCRIPTION: Not Applicable to This Facility

STACK DESCRIPTION

BUILDING DESCRIPTION

DATE INSTALLED

DATE MODIFIED

TYPE OF LOADING

Please choose from the following:

(01) Overhead loading - splash fill, normal service;
(02) Overhead loading - splash fill, balanced serviced;
(03) Overhead loading - submerged fill, normal service;
(04) Overhead loading - submerged fill, balanced service;
(05) Bottom loading - normal service;
(06) Bottom loading - balanced service

LOADING ARM VAPOR CLOSURE

Please choose from the following:

(01) Incineration
(02) GREENWOOD
(03) SOCO
(04) CHICKSAN
(05) None - open to air
(06) Other

MATERIAL LOADED

ANNUAL THROUGHPUT (GAL.)

REID VAPOR PRESSURE (PSI)

MAXIMUM MATERIAL TEMPERATURE (DEG. F)

AVERAGE MATERIAL TEMPERATURE (DEG. F)

SECTION 6, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB

MAR-MAY

JUN-AUG

SEP-NOV

OPERATING SCHEDULE

HOURS/DAY

DAY/WEEK

WEEKS/YEAR

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE		
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?

HOOD TYPE (FROM APP. B)

MINIMUM FLOW (ACFM)

PERCENT CAPTURE EFFICIENCY

BUILDING HEIGHT (FT)

BUILDING/AREA LENGTH (FT)

BUILDING/AREA WIDTH (FT)

STACK DATA

GROUND ELEVATION (FT)

UTM X COORDINATE (KM)

UTM Y COORDINATE (KM)

STACK TYPE (SEE NOTE BELOW)

STACK EXIT HEIGHT FROM GROUND LEVEL (FT)

STACK EXIT DIAMETER (FT)

STACK EXIT GAS FLOWRATE (ACFM)

STACK EXIT TEMPERATURE (DEG. F)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC							
LEAD							

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 7: SOLID MATERIAL TRANSPORT, HANDLING, AND STORAGE

DEQ USE ONLY

DEQ PLANT ID CODE | DEQ PROCESS CODE | DEQ STACK ID CODE

DEQ BUILDING CODE | PRIMARY SCC | SECONDARY SCC

DEQ SEGMENT CODE

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Not Applicable to This Facility

STACK DESCRIPTION

BUILDING DESCRIPTION

DATE INSTALLED OR LAST MODIFIED | DATE LAST MODIFIED

MATERIAL DESCRIPTION

MATERIAL TRANSFER RATES

MAXIMUM HOURLY TRANSFER RATE (UNITS/HOUR)

NORMAL HOURLY TRANSFER RATE (UNITS/HOUR)

NORMAL ANNUAL TRANSFER RATE (UNITS/YEAR)

UNIT OF MEASURE

BELT CONVEYOR/VEHICLE TRANSFER

NUMBER OF TRANSFERS | MATERIAL MOISTURE CONTENT (WEIGHT PERCENT) | MAXIMUM HOURLY WIND SPEED (MPH)

CONVEYORS ENCLOSED? (Y/N) | CONVEYORS IN BUILDINGS? (Y/N) | AVERAGE HOURLY WIND SPEED (MPH)

TRANSFERS ENCLOSED? (Y/N) | TRANSFERS IN BUILDINGS? (Y/N)

PNEUMATIC CONVEYOR TRANSFERS

MATERIAL MOISTURE CONTENT (WEIGHT PERCENT)

PRIMARY SEPARATOR TYPE | PRIMARY SEPARATOR PERCENT EFFICIENCY

SECONDARY SEPARATOR TYPE | SECONDARY SEPARATOR PERCENT EFFICIENCY

MATERIAL STORAGE DATA

PILE? (Y/N) | STORAGE CAPACITY | PILE LENGTH (FT.)

SILO? (Y/N) | STORAGE CAPACITY UNITS | PILE WIDTH (FT.)

OTHER STORAGE TYPE DESCRIPTION | PILE HEIGHT (FT.)

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT

SECTION 7, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB

MAR-MAY

JUN-AUG

SEP-NOV

OPERATING SCHEDULE

HOURS/DAY

DAY/WEEK

WEEKS/YEAR

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE		
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?

HOOD TYPE (FROM APP. B)

MINIMUM FLOW (ACFM)

PERCENT CAPTURE EFFICIENCY

BUILDING HEIGHT (FT)

BUILDING/AREA LENGTH (FT)

BUILDING/AREA WIDTH (FT)

STACK DATA

GROUND ELEVATION (FT)

UTM X COORDINATE (KM)

UTM Y COORDINATE (KM)

STACK TYPE (SEE NOTE BELOW)

STACK EXIT HEIGHT FROM GROUND LEVEL (FT)

STACK EXIT DIAMETER (FT)

STACK EXIT GAS FLOWRATE (ACFM)

STACK EXIT TEMPERATURE (DEG. F)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC							
LEAD							

SECTION 8: FUGITIVE ROAD DUST SOURCES

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

ROAD DESCRIPTION: No roads, Minor traffic on plant property

PAVED? (Y/N): Partial

LENGTH (FT.): See Insignificant Emissions calculation, Page 1.X N/A

WIDTH (FT.): N/A

	BEGINNING COORDINATES		END COORDINATES	
	UTM-X (KM)	UTM-Y (KM)	UTM-X (KM)	UTM-Y (KM)

DATA FOR ALL ROADS - PAVED AND UNPAVED

VEHICLE DESCRIPTION	NUMBER OF ROUNDTRIPS PER DAY	VEHICLE MILES TRAVELED PER DAY	NUMBER OF DAYS PER YEAR USED	AVERAGE VEHICLE SPEED (MPH)	SURFACE SILT CONTENT (% WEIGHT)

DATA: UNPAVED ROADS

VEHICLE DESCRIPTION	VEHICLE EMPTY WEIGHT (TONS)	VEHICLE FULL WEIGHT TONS	NUMBER OF WHEELS PER VEHICLE	NUMBER OF DAYS >0.01 INCHES PRECIPITATION

DATA: PAVED ROADS

NUMBER OF LANES	INDUSTRIAL AUGMENTATION FACTOR	DUST LOADING (LB/MILE)

ROAD DUST CHEMICAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN ROAD DUST BY WEIGHT

SECTION 8, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	
DAY/WEEK	
WEEKS/YEAR	

FUGITIVE DUST CONTROL DATA

PARAMETER	PRIMARY	SECONDARY
CONTROL DESCRIPTION		
CONTROL CODE (APPENDIX A)		
MINIMUM DAILY APPLICATIONS OF CONTROL		
MAXIMUM DAILY APPLICATIONS OF CONTROL		
AVERAGE ANNUAL APPLICATIONS OF CONTROL		
AMOUNT APPLIED (UNITS/APPLICATION)		
UNITS FOR APPLICATION AMOUNT		

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
LEAD							

NOTES: IN LBS/UNIT. USE UNITS OF VEHICLE MILES TRAVELED (VMT).

SECTION 9 - PERMIT SHIELD

Pursuant to IDAPA 58.01.01.325, Dynamic Fabricators requests that the permit contain:

1. A provision stating that compliance with a permit condition shall be deemed compliance with the applicable requirement(s) upon which that condition is based, and

2. A written finding that all requirements identified in this application as inapplicable do not apply to the source, or to the emissions unit(s) for which this application requests a determination of nonapplicability.

REGULATORY APPLICABILITY SUMMARY

REGULATION OR STATUTE	STATE ONLY	APPLICABLE (Emissions Related)	APPLICABLE (Procedural)	NOT APPLICABLE (Based on current operations)	COMPLIANCE STATUS	
					IN	OUT
FEDERAL REGULATIONS						
40 CFR 52.21			X		X	
40 CFR 52, Subpart N			X		X	
40 CFR 60				X	N/A	
40 CFR 61, Subparts A & M		X			X	
40 CFR 61, excl. Subparts A & M				X	N/A	
40 CFR 63, Subpart A			X		X	
40 CFR 63, Subpart WWWW		X				
40 CFR 63 ex Subparts A & WWWW				X	N/A	
40 CFR 64				X	N/A	
40 CFR 68				X	N/A	
40 CFR 70.6(a)(3)		X			X	
40 CFR 70, excl. 70.6 (a)(3)			X		X	
40 CFR 82				X	N/A	
IDAHO STATE REGULATIONS						
IDAPA 58.01.01.000	X		X		X	
IDAPA 58.01.01.001	X		X		X	
IDAPA 58.01.01.002	X		X		X	
IDAPA 58.01.01.003	X		X		X	
IDAPA 58.01.01.004			X		X	
IDAPA 58.01.01.005			X		X	
IDAPA 58.01.01.006			X		X	
IDAPA 58.01.01.007			X		X	
IDAPA 58.01.01.008	X		X		X	
IDAPA 58.01.01.009	X		X		X	
IDAPA 58.01.01.010	X		X		X	
IDAPA 58.01.01.011			X		X	
IDAPA 58.01.01.106			X		X	
IDAPA 58.01.01.107 ex .03			X		X	
IDAPA 50.01.01.107.03	X		X		X	
IDAPA 58.01.01.121			X		X	
IDAPA 58.01.01.122			X		X	
IDAPA 58.01.01.123			X		X	
IDAPA 58.01.01.124			X		X	
IDAPA 58.01.01.125			X		X	
IDAPA 58.01.01.126			X		X	
IDAPA 58.01.01.127			X		X	
IDAPA 58.01.01.128	X		X		X	
IDAPA 58.01.01.130			X		X	
IDAPA 58.01.01.131		X			X	
IDAPA 58.01.01.132			X		X	
IDAPA 58.01.01.133		X			X	
IDAPA 58.01.01.134		X			X	

REGULATION OR STATUTE	STATE ONLY	APPLICABLE (Emissions Related)	APPLICABLE (Procedural)	NOT APPLICABLE (Based on current operations)	COMPLIANCE STATUS	
					IN	OUT
IDAPA 58.01.01.135			X		X	
IDAPA 58.01.01.136			X		X	
IDAPA 58.01.01.140	X		X		X	
IDAPA 58.01.01.141	X		X		X	
IDAPA 58.01.01.142	X		X		X	
IDAPA 58.01.01.143	X		X		X	
IDAPA 58.01.01.144	X		X		X	
IDAPA 58.01.01.145	X		X		X	
IDAPA 58.01.01.146	X		X		X	
IDAPA 58.01.01.147	X		X		X	
IDAPA 58.01.01.148	X		X		X	
IDAPA 58.01.01.149	X		X		X	
IDAPA 58.01.01.155		X			X	
IDAPA 58.01.01.156			X		X	
IDAPA 58.01.01.157		X			X	
IDAPA 58.01.01.160			X		X	
IDAPA 58.01.01.161	X	X			X	
IDAPA 58.01.01.162		X			X	
IDAPA 58.01.01.163		X			X	
IDAPA 58.01.01.164				X	N/A	
IDAPA 58.01.01.200			X		X	
IDAPA 58.01.01.201			X		X	
IDAPA 58.01.01.202			X		X	
IDAPA 58.01.01.203 ex .03			X		X	
IDAPA 58.01.01.203.03	X		X		X	
IDAPA 58.01.01.204				X	N/A	
IDAPA 58.01.01.205			X		X	
IDAPA 58.01.01.206			X		X	
IDAPA 58.01.01.207			X		X	
IDAPA 58.01.01.208			X		X	
IDAPA 58.01.01.209			X		X	
IDAPA 58.01.01.210	X		X		X	
IDAPA 58.01.01.211			X		X	
IDAPA 58.01.01.212			X		X	
IDAPA 58.01.01.213			X		X	
IDAPA 58.01.01.214	X		X		X	
IDAPA 58.01.01.220			X		X	
IDAPA 58.01.01.221			X		X	
IDAPA 58.01.01.222 ex .03			X		X	
IDAPA 58.01.01.222.03	X		X		X	
IDAPA 58.01.01.223			X		X	
IDAPA 58.01.01.224			X		X	
IDAPA 58.01.01.225			X		X	
IDAPA 58.01.01.226			X		X	
IDAPA 58.01.01.227			X		X	
IDAPA 58.01.01.228			X		X	
IDAPA 58.01.01.300	X		X		X	
IDAPA 58.01.01.301	X	X	X		X	

REGULATION OR STATUTE	STATE ONLY	APPLICABLE (Emissions Related)	APPLICABLE (Procedural)	NOT APPLICABLE (Based on current operations)	COMPLIANCE STATUS	
					IN	OUT
IDAPA 58.01.01.302	X			X	N/A	
IDAPA 58.01.01.311	X		X		X	
IDAPA 58.01.01.312	X		X		X	
IDAPA 58.01.01.313	X		X			X
IDAPA 58.01.01.314	X		X		X	
IDAPA 58.01.01.315	X		X		X	
IDAPA 58.01.01.316	X		X		X	
IDAPA 58.01.01.317	X		X		X	
IDAPA 58.01.01.321	X		X		X	
IDAPA 58.01.01.322	X		X		X	
IDAPA 58.01.01.325	X		X		X	
IDAPA 58.01.01.332	X		X		X	
IDAPA 58.01.01.335	X			X	N/A	
IDAPA 58.01.01.336	X			X	N/A	
IDAPA 58.01.01.360	X		X		X	
IDAPA 58.01.01.361	X		X		X	
IDAPA 58.01.01.362	X		X		X	
IDAPA 58.01.01.363	X		X		X	
IDAPA 58.01.01.364	X		X		X	
IDAPA 58.01.01.365	X		X		X	
IDAPA 58.01.01.366	X		X		X	
IDAPA 58.01.01.367	X		X		X	
IDAPA 58.01.01.368	X		X		X	
IDAPA 58.01.01.369	X		X			X
IDAPA 58.01.01.380	X		X		X	
IDAPA 58.01.01.381	X		X		X	
IDAPA 58.01.01.382	X		X		X	
IDAPA 58.01.01.383	X		X		X	
IDAPA 58.01.01.384	X		X		X	
IDAPA 58.01.01.385	X		X		X	
IDAPA 58.01.01.386	X		X		X	
IDAPA 58.01.01.387	X		X		X	
IDAPA 58.01.01.388			X		X	
IDAPA 58.01.01.389			X		X	
IDAPA 58.01.01.390			X		X	
IDAPA 58.01.01.391			X		X	
IDAPA 58.01.01.392			X		X	
IDAPA 58.01.01.393			X		X	
IDAPA 58.01.01.394			X		X	
IDAPA 58.01.01.395			X		X	
IDAPA 58.01.01.396			X		X	
IDAPA 58.01.01.397			X		X	
IDAPA 58.01.01.400				X	X	
IDAPA 58.01.01.401				X	X	
IDAPA 58.01.01.402				X	X	
IDAPA 58.01.01.403				X	X	
IDAPA 58.01.01.404				X	X	

REGULATION OR STATUTE	STATE ONLY	APPLICABLE (Emissions Related)	APPLICABLE (Procedural)	NOT APPLICABLE (Based on current operations)	COMPLIANCE STATUS	
					IN	OUT
IDAPA 58.01.01.405				X	X	
IDAPA 58.01.01.406				X	N/A	
IDAPA 58.01.01.407				X	N/A	
IDAPA 58.01.01.408				X	N/A	
IDAPA 58.01.01.409				X	N/A	
IDAPA 58.01.01.410				X	N/A	
IDAPA 58.01.01.440	X		X		X	
IDAPA 58.01.01.441	X		X		X	
IDAPA 58.01.01.460			X		X	
IDAPA 58.01.01.461			X		X	
IDAPA 58.01.01.500				X	N/A	
IDAPA 58.01.01.510			X		X	
IDAPA 58.01.01.511			X		X	
IDAPA 58.01.01.512			X		X	
IDAPA 58.01.01.513			X		X	
IDAPA 58.01.01.514			X		X	
IDAPA 58.01.01.515			X		X	
IDAPA 58.01.01.516			X		X	
IDAPA 58.01.01.550			X		X	
IDAPA 58.01.01.551			X		X	
IDAPA 58.01.01.552			X		X	
IDAPA 58.01.01.553			X		X	
IDAPA 58.01.01.556			X		X	
IDAPA 58.01.01.557			X		X	
IDAPA 58.01.01.558			X		X	
IDAPA 58.01.01.559			X		X	
IDAPA 58.01.01.560			X		X	
IDAPA 58.01.01.561			X		X	
IDAPA 58.01.01.562			X		X	
IDAPA 58.01.01.563			X		X	
IDAPA 58.01.01.564			X		X	
IDAPA 58.01.01.565			X		X	
IDAPA 58.01.01.566			X		X	
IDAPA 58.01.01.567			X		X	
IDAPA 58.01.01.568			X		X	
IDAPA 58.01.01.569			X		X	
IDAPA 58.01.01.570			X		X	
IDAPA 58.01.01.571			X		X	
IDAPA 58.01.01.572			X		X	
IDAPA 58.01.01.573			X		X	
IDAPA 58.01.01.574			X		X	
IDAPA 58.01.01.575			X		X	
IDAPA 58.01.01.576			X		X	
IDAPA 58.01.01.577 ex .06			X		X	
IDAPA 58.01.01.577.06	X		X		X	
IDAPA 58.01.01.578			X		X	
IDAPA 58.01.01.579			X		X	
IDAPA 58.01.01.580			X		X	

REGULATION OR STATUTE	STATE ONLY	APPLICABLE (Emissions Related)	APPLICABLE (Procedural)	NOT APPLICABLE (Based on current operations)	COMPLIANCE STATUS	
					IN	OUT
IDAPA 58.01.01.581			X		X	
IDAPA 58.01.01.582				X	N/A	
IDAPA 58.01.01.585	X	X			X	
IDAPA 58.01.01.586	X		X		X	
IDAPA 58.01.01.587	X		X		X	
IDAPA 58.01.01.590	X		X		X	
IDAPA 58.01.01.591	X		X		X	
IDAPA 58.01.01.600			X		X	
IDAPA 58.01.01.601			X		X	
IDAPA 58.01.01.602			X		X	
IDAPA 58.01.01.603			X		X	
IDAPA 58.01.01.606			X		X	
IDAPA 58.01.01.607			X		X	
IDAPA 58.01.01.608			X		X	
IDAPA 58.01.01.609				X	N/A	
IDAPA 58.01.01.610				X	N/A	
IDAPA 58.01.01.611				X	N/A	
IDAPA 58.01.01.612				X	N/A	
IDAPA 58.01.01.613				X	N/A	
IDAPA 58.01.01.614				X	N/A	
IDAPA 58.01.01.615				X	N/A	
IDAPA 58.01.01.616				X	N/A	
IDAPA 58.01.01.617				X	N/A	
IDAPA 58.01.01.625		X			X	
IDAPA 58.01.01.626				X	N/A	
IDAPA 58.01.01.650			X		N/A	
IDAPA 58.01.01.651			X		X	
IDAPA 58.01.01.675			X		X	
IDAPA 58.01.01.676				X	N/A	
IDAPA 58.01.01.677		X			X	
IDAPA 58.01.01.678			X		X	
IDAPA 58.01.01.679			X		X	
IDAPA 58.01.01.680			X		X	
IDAPA 58.01.01.681			X		X	
IDAPA 58.01.01.700		X			X	
IDAPA 58.01.01.701		X			X	
IDAPA 58.01.01.702		X			X	
IDAPA 58.01.01.703		X			X	
IDAPA 58.01.01.725			X		X	
IDAPA 58.01.01.726			X		X	
IDAPA 58.01.01.727				X	N/A	
IDAPA 58.01.01.728				X	N/A	
IDAPA 58.01.01.729				X	N/A	
IDAPA 58.01.01.750	X			X	N/A	
IDAPA 58.01.01.751	X			X	N/A	
IDAPA 58.01.01.775	X		X		N/A	
IDAPA 58.01.01.776	X		X		X	
IDAPA 58.01.01.785				X	N/A	

REGULATION OR STATUTE	STATE ONLY	APPLICABLE (Emissions Related)	APPLICABLE (Procedural)	NOT APPLICABLE (Based on current operations)	COMPLIANCE STATUS	
					IN	OUT
IDAPA 58.01.01.786				X	N/A	
IDAPA 58.01.01.787				X	N/A	
IDAPA 58.01.01.790				X	N/A	
IDAPA 58.01.01.791				X	N/A	
IDAPA 58.01.01.792				X	N/A	
IDAPA 58.01.01.793				X	N/A	
IDAPA 58.01.01.794				X	N/A	
IDAPA 58.01.01.795				X	N/A	
IDAPA 58.01.01.796				X	N/A	
IDAPA 58.01.01.797				X	N/A	
IDAPA 58.01.01.798				X	N/A	
IDAPA 58.01.01.799				X	N/A	
IDAPA 58.01.01.800				X	N/A	
IDAPA 58.01.01.801				X	N/A	
IDAPA 58.01.01.802				X	N/A	
IDAPA 58.01.01.805				X	N/A	
IDAPA 58.01.01.806				X	N/A	
IDAPA 58.01.01.807				X	N/A	
IDAPA 58.01.01.808				X	N/A	
IDAPA 58.01.01.815				X	N/A	
IDAPA 58.01.01.816				X	N/A	
IDAPA 58.01.01.817				X	N/A	
IDAPA 58.01.01.818	X			X	N/A	
IDAPA 58.01.01.819	X			X	N/A	
IDAPA 58.01.01.820	X			X	N/A	
IDAPA 58.01.01.821				X	N/A	
IDAPA 58.01.01.822				X	N/A	
IDAPA 58.01.01.823				X	N/A	
IDAPA 58.01.01.824 ex .01				X	N/A	
IDAPA 58.01.01.824.01	X			X	N/A	
IDAPA 58.01.01.825				X	N/A	
IDAPA 58.01.01.826				X	N/A	
IDAPA 58.01.01.835	X			X	N/A	
IDAPA 58.01.01.836	X			X	N/A	
IDAPA 58.01.01.837	X			X	N/A	
IDAPA 58.01.01.838	X			X	N/A	
IDAPA 58.01.01.839	X			X	N/A	
IDAPA 58.01.01.845				X	N/A	
IDAPA 58.01.01.846				X	N/A	
IDAPA 58.01.01.847				X	N/A	
IDAPA 58.01.01.848				X	N/A	
IDAPA 58.01.01.855	X			X	N/A	
IDAPA 58.01.01.856	X			X	N/A	
IDAPA 58.01.01.857	X			X	N/A	
IDAPA 58.01.01.858	X			X	N/A	
IDAPA 58.01.01.859	X			X	N/A	
IDAPA 58.01.01.860	X			X	N/A	
IDAPA 58.01.01.861	X			X	N/A	

REGULATION OR STATUTE	STATE ONLY	APPLICABLE (Emissions Related)	APPLICABLE (Procedural)	NOT APPLICABLE (Based on current operations)	COMPLIANCE STATUS	
					IN	OUT
IDAPA 58.01.01.862	X			X	N/A	
PTC APPROVALS						
PTC #055-00035, Cond. 1.3			X		X	
PTC #055-00035, Cond. 2.1		X			X	
PTC #055-00035, Cond. 2.2		X			X	
PTC #055-00035, Cond. 2.3		X			X	
PTC #055-00035, Cond. 2.4		X			X	
PTC #055-00035, Cond. 3.1		X			X	
PTC #055-00035, Cond. 3.2		X			X	
PTC #055-00035, Cond. 3.3		X			X	
PTC #055-00035, Cond. 3.4		X			X	
PTC #055-00035, Cond. 3.5		X			X	
PTC #055-00035, Cond. 3.6			X		X	
PTC #055-00035, Cond. 3.7		X			X	
PTC #055-00035, Cond. 3.8		X			X	
PTC #055-00035, Cond. 3.9		X			X	
PTC #055-00035, Cond. 3.10			X		X	
PTC #055-00035, Cond. 3.11		X				X
PTC #055-00035, Cond. 4.1				X	N/A	
PTC #055-00035, Cond. 4.2				X	N/A	
PTC #055-00035, Cond. 4.3		X			X	
PTC #055-00035, Cond. 5.1			X		X	
PTC #055-00035, Cond. 5.2			X		X	

TITLES OF REGULATIONS

FEDERAL REGULATIONS

40 CFR Part 52	Approval and Promulgation of SIPs
-52.21	Prevention of Significant Deterioration of Air Quality
40 CFR Part 52, Subpart N	SIP: State of Idaho
40 CFR 60	New Source Performance Standards (NSPS) ***The facility does not include any sources regulated under this standard.***
40 CFR 61	National Emission Standards for Hazardous Air Pollutants (NESHAPS) ***The facility does not include any additional sources regulated under this standard.***
Subpart A	General Provisions
Subpart M	National Emission Standard for Asbestos
40 CFR 63	National Emission Standards for Hazardous Air Pollutants for Source Categories ***The facility does not include any additional sources regulated under this standard.***
Subpart A	General Provisions
Subpart WWWW	NESHAPS: Reinforced Plastic Composites Production
40 CFR 64	Compliance Assurance Monitoring ***The facility does not have the potential to exceed 100 tpy of any criteria pollutant based on federally enforceable production limits..***

40 CFR 68	Chemical Accident Prevention Provisions ***The facility does not have the potential to exceed the on-site thresholds for any regulated chemicals.***
40 CFR Part 70	State Permit Programs
70.6(a)(3)	Permit Program Monitoring Rules
40 CFR Part 82	Stratospheric Ozone Protection ***The facility does not use any chemicals or service any equipment containing chemicals regulated under this standards.***

STATE REGULATIONS

IDAPA 58 - DEPARTMENT OF ENVIRONMENTAL QUALITY

58.01.01 - RULES FOR THE CONTROL OF AIR POLLUTION IN IDAHO

000. LEGAL AUTHORITY
001. TITLE AND SCOPE
002. WRITTEN INTERPRETATIONS
003. ADMINISTRATIVE APPEALS
004. CATCHLINES
005. DEFINITIONS
006. GENERAL DEFINITIONS
007. DEFINITIONS FOR THE PURPOSES OF SECTIONS 200 THROUGH 228 AND 400 THROUGH 461
008. DEFINITIONS FOR THE PURPOSES OF SECTIONS 300 THROUGH 386
009. DEFINITIONS FOR THE PURPOSES OF 40 CFR PART 60
010. DEFINITIONS FOR THE PURPOSES OF 40 CFR PART 61 AND 40 CFR PART 63
011. DEFINITIONS FOR THE PURPOSES OF SECTIONS 790 THROUGH 799
012. -- 105. (RESERVED
106. ABBREVIATIONS
107. INCORPORATIONS BY REFERENCE.
108. -- 120. (RESERVED
121. COMPLIANCE REQUIREMENTS BY DEPARTMENT
122. INFORMATION ORDERS BY THE DEPARTMENT
123. CERTIFICATION OF DOCUMENTS
124. TRUTH, ACCURACY AND COMPLETENESS OF DOCUMENTS
125. FALSE STATEMENTS
126. TAMPERING
127. FORMAT OF RESPONSES
128. CONFIDENTIAL INFORMATION
129. (RESERVED
130. STARTUP, SHUTDOWN, SCHEDULED MAINTENANCE, SAFETY MEASURES,UPSET AND BREAKDOWN
131. XCESS EMISSIONS
132. CORRECTION OF CONDITION
133. STARTUP, SHUTDOWN AND SCHEDULED MAINTENANCE REQUIREMENTS
134. UPSET, BREAKDOWN AND SAFETY REQUIREMENTS
135. EXCESS EMISSIONS REPORTS.
136. EXCESS EMISSIONS RECORDS
137. -- 139. (RESERVED
140. VARIANCES
141. PETITION
142. NOTICE
143. INVESTIGATION AND RECOMMENDATION
144. OBJECTIONS TO PETITION
145. AUTHORIZATION OF HEARING
146. NOTICE OF HEARING
147. DECISION
148. PROOF OF HARDSHIP
149. VARIANCE FROM NEW RULE
150. -- 154. (RESERVED

155. CIRCUMVENTION
156. TOTAL COMPLIANCE
157. TEST METHODS AND PROCEDURES
158. -- 159. (RESERVED)
160. PROVISIONS GOVERNING SPECIFIC ACTIVITIES AND CONDITIONS
161. TOXIC SUBSTANCES
162. MODIFYING PHYSICAL CONDITIONS
163. SOURCE DENSITY
164. POLYCHLORINATED BIPHENYLS (PCBS) ***Inapplicable because no PCB containing materials are on site and the source does not operate a PCB incinerator.***
165. -- 199. (RESERVED)
200. PROCEDURES AND REQUIREMENTS FOR PERMITS TO CONSTRUCT
201. PERMIT TO CONSTRUCT REQUIRED
202. APPLICATION PROCEDURES
203. PERMIT REQUIREMENTS FOR NEW AND MODIFIED STATIONARY SOURCES
204. PERMIT REQUIREMENTS FOR NEW MAJOR FACILITIES OR MAJOR MODIFICATIONS IN NONATTAINMENT AREAS AND IN THE FORMER PM-10 NORTHERN ADA COUNTY NONATTAINMENT AREA (AS DEFINED IN SECTION 582) ***Inapplicable as this source is not located in ADA County or in a PM-10 non-attainment area.***
205. PERMIT REQUIREMENTS FOR NEW MAJOR FACILITIES OR MAJOR MODIFICATIONS IN ATTAINMENT OR UNCLASSIFIABLE AREAS
206. OPTIONAL OFFSETS FOR PERMITS TO CONSTRUCT
207. REQUIREMENTS FOR EMISSION REDUCTION CREDIT
208. DEMONSTRATION OF NET AIR QUALITY BENEFIT
209. PROCEDURE FOR ISSUING PERMITS
210. DEMONSTRATION OF PRECONSTRUCTION COMPLIANCE WITH TOXIC STANDARDS
211. CONDITIONS FOR PERMITS TO CONSTRUCT
212. OBLIGATION TO COMPLY
213. PRE-PERMIT CONSTRUCTION
214. DEMONSTRATION OF PRECONSTRUCTION COMPLIANCE FOR NEW AND RECONSTRUCTED MAJOR SOURCES OF HAZARDOUS AIR POLLUTANTS
215. -- 219. (RESERVED)
220. GENERAL EXEMPTION CRITERIA FOR PERMIT TO CONSTRUCT EXEMPTIONS
221. CATEGORY I EXEMPTION
222. CATEGORY II EXEMPTION
223. EXEMPTION CRITERIA AND REPORTING REQUIREMENTS FOR TOXIC AIR POLLUTANT EMISSIONS
224. PERMIT TO CONSTRUCT APPLICATION FEE
225. PERMIT TO CONSTRUCT PROCESSING FEE
226. PAYMENT OF FEES FOR PERMITS TO CONSTRUCT
227. RECEIPT AND USAGE OF FEES
228. APPEALS
229. -- 299. (RESERVED)
300. PROCEDURES AND REQUIREMENTS FOR TIER I OPERATING PERMITS
301. REQUIREMENT TO OBTAIN TIER I OPERATING PERMIT
302. OPTIONAL TIER I OPERATING PERMIT ***Inapplicable as this source is required to obtain a Tier 1 operating permit.***
303. -- 310. (RESERVED)
311. STANDARD PERMIT APPLICATIONS
312. DUTY TO APPLY
313. TIMELY APPLICATION
314. REQUIRED STANDARD APPLICATION FORM AND REQUIRED INFORMATION
315. DUTY TO SUPPLEMENT OR CORRECT APPLICATION
316. EFFECT OF INACCURATE INFORMATION IN APPLICATIONS OR FAILURE TO SUBMIT RELEVANT INFORMATION
317. INSIGNIFICANT ACTIVITIES

318. -- 320. (RESERVED)
321. TIER I OPERATING PERMIT CONTENT
322. STANDARD CONTENTS OF TIER I OPERATING PERMITS
323. -- 324. (RESERVED)
325. ADDITIONAL CONTENTS OF TIER I OPERATING PERMITS - PERMIT SHIELD
326. -- 331. (RESERVED)
332. EMERGENCY AS AN AFFIRMATIVE DEFENSE REGARDING EXCESS EMISSIONS
333. -- 334. (RESERVED)
335. GENERAL TIER I OPERATING PERMITS AND AUTHORIZATIONS TO OPERATE ***Inapplicable as this source is not eligible for a General Tier 1 Operating Permit.***
336. TIER I OPERATING PERMITS FOR TIER I PORTABLE SOURCES ***Inapplicable as this source is not a portable source.***
337. -- 359. (RESERVED)
360. STANDARD PROCESSING OF TIER I OPERATING PERMIT APPLICATIONS
361. COMPLETENESS OF APPLICATIONS
362. TECHNICAL MEMORANDUMS FOR TIER I OPERATING PERMITS
363. PREPARATION OF DRAFT PERMIT OR DRAFT DENIAL
364. PUBLIC NOTICES, COMMENTS AND HEARINGS
365. PREPARATION OF PROPOSED PERMIT OR PROPOSED DENIAL
366. EPA REVIEW PROCEDURES
367. ACTION ON APPLICATION
368. EXPIRATION OF PRECEDING PERMITS
369. TIER I OPERATING PERMIT RENEWAL
370. -- 379. (RESERVED)
380. CHANGES TO TIER I OPERATING PERMITS
381. ADMINISTRATIVE PERMIT AMENDMENTS
382. SIGNIFICANT PERMIT MODIFICATION
383. MINOR PERMIT MODIFICATION
384. SECTION 502(b)(10) CHANGES AND CERTAIN EMISSION TRADES
385. OFF-PERMIT CHANGES AND NOTICE
386. REOPENING FOR ***CAUSE***
387. REGISTRATION AND REGISTRATION FEES
388. APPLICABILITY
389. REGISTRATION INFORMATION
390. REQUEST FOR INFORMATION
391. REGISTRATION FEE
392. REGISTRATION FEE ASSESSMENT
393. PAYMENT OF TIER I REGISTRATION FEE
394. EFFECT OF DELINQUENCY ON APPLICATIONS
395. APPEALS
396. EXEMPTIONS
397. LUMP SUM PAYMENTS OF REGISTRATION FEES
398. -- 399. (RESERVED)
400. PROCEDURES AND REQUIREMENTS FOR TIER II OPERATING PERMITS ***Inapplicable as the source requires a Tier 1 Operating Permit.***
401. TIER II OPERATING PERMIT ***Inapplicable as the source requires a Tier 1 Operating Permit.***
402. APPLICATION PROCEDURES ***Inapplicable as the source requires a Tier 1 Operating Permit.***
403. PERMIT REQUIREMENTS FOR TIER II SOURCES ***Inapplicable as the source requires a Tier 1 Operating Permit.***
404. PROCEDURE FOR ISSUING PERMITS ***Inapplicable as the source requires a Tier 1 Operating Permit.***
405. CONDITIONS FOR TIER II OPERATING PERMITS ***Inapplicable as the source requires a Tier 1 Operating Permit.***
406. OBLIGATION TO COMPLY ***Inapplicable as the source requires a Tier 1 Operating Permit.***
407. TIER II OPERATING PERMIT PROCESSING FEE ***Inapplicable as the source requires a Tier 1***

Operating Permit.

408. PAYMENT OF TIER II OPERATING PERMIT PROCESSING FEE ***Inapplicable as the source requires a Tier 1 Operating Permit.***
409. RECEIPT AND USAGE OF FEES ***Inapplicable as the source requires a Tier 1 Operating Permit.***
410. APPEALS ***Inapplicable as the source requires a Tier 1 Operating Permit.***
411. -- 439. (RESERVED)
440. REQUIREMENTS FOR ALTERNATIVE EMISSION LIMITS (BUBBLES)
441. DEMONSTRATION OF AMBIENT EQUIVALENCE
442. -- 459. (RESERVED)
460. REQUIREMENTS FOR EMISSION REDUCTION CREDIT
461. REQUIREMENTS FOR BANKING EMISSION REDUCTION CREDITS (ERC'S)
462. -- 499. (RESERVED)
500. REGISTRATION PROCEDURES AND REQUIREMENTS FOR PORTABLE EQUIPMENT ***Inapplicable since the source has no portable equipment other than mobile equipment (i.e. vehicles, forklifts)***
501. -- 509. (RESERVED)
510. STACK HEIGHTS AND DISPERSION TECHNIQUES
511. APPLICABILITY
512. DEFINITION
513. REQUIREMENTS
514. OPPORTUNITY FOR PUBLIC HEARING
515. APPROVAL OF FIELD STUDIES AND FLUID MODELS
516. NO RESTRICTION ON ACTUAL STACK HEIGHT
517. -- 549. (RESERVED)
550. AIR POLLUTION EMERGENCY RULE
551. EPISODE CRITERIA
552. STAGES
553. EFFECT OF STAGES
554. -- 555. (RESERVED)
556. CRITERIA FOR DEFINING LEVELS WITHIN STAGES
557. PUBLIC NOTIFICATION
558. INFORMATION TO BE GIVEN
559. MANNER AND FREQUENCY OF NOTIFICATION
560. NOTIFICATION TO SOURCES
561. GENERAL RULES
562. SPECIFIC EMERGENCY EPISODE ABATEMENT PLANS FOR POINT SOURCES
563. TRANSPORTATION CONFORMITY
564. INCORPORATION BY REFERENCE
565. ABBREVIATIONS
566. DEFINITIONS FOR THE PURPOSE OF SECTIONS 563 THROUGH 574 AND 582
567. AGENCIES AFFECTED BY CONSULTATION
568. ICC MEMBER ROLES IN CONSULTATION
569. ICC MEMBER RESPONSIBILITIES IN CONSULTATION
570. GENERAL CONSULTATION PROCESS
571. CONSULTATION PROCEDURES
572. FINAL CONFORMITY DETERMINATIONS BY USDOT
573. RESOLVING CONFLICTS
574. PUBLIC CONSULTATION PROCEDURES
575. AIR QUALITY STANDARDS AND AREA CLASSIFICATION
576. GENERAL PROVISIONS FOR AMBIENT AIR QUALITY STANDARDS
577. AMBIENT AIR QUALITY STANDARDS FOR SPECIFIC AIR POLLUTANTS
578. DESIGNATION OF ATTAINMENT, UNCLASSIFIABLE, AND NONATTAINMENT AREAS
579. BASELINES FOR PREVENTION OF SIGNIFICANT DETERIORATION
580. CLASSIFICATION OF PREVENTION OF SIGNIFICANT DETERIORATION AREAS
581. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENTS
582. INTERIM CONFORMITY PROVISIONS FOR NORTHERN ADA COUNTY FORMER NONATTAINMENT AREA FOR PM-10 ***Inapplicable as this facility is not located in Northern Ada County.***

583. -- 584. (RESERVED)
585. TOXIC AIR POLLUTANTS NON-CARCINOGENIC INCREMENTS
586. TOXIC AIR POLLUTANTS CARCINOGENIC INCREMENTS
587. LISTING OR DELISTING TOXIC AIR POLLUTANT INCREMENTS
588. -- 589. (RESERVED)
590. NEW SOURCE PERFORMANCE STANDARDS
591. NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS
592. -- 599. (RESERVED)
600. RULES FOR CONTROL OF OPEN BURNING
601. FIRE PERMITS, HAZARDOUS MATERIALS, AND LIABILITY
602. NONPREEMPTION OF OTHER JURISDICTIONS
603. GENERAL RESTRICTIONS
604. -- 605. (RESERVED)
606. CATEGORIES OF ALLOWABLE BURNING
607. RECREATIONAL AND WARMING FIRES
608. WEED CONTROL FIRES
609. TRAINING FIRES ***Inapplicable as this method or procedure is not used at this facility.***
610. INDUSTRIAL FLARES ***Inapplicable as this method or procedure is not used at this facility.***
611. RESIDENTIAL SOLID WASTE DISPOSAL FIRES ***Inapplicable as this method or procedure is not used at this facility.***
612. LANDFILL DISPOSAL SITE FIRES ***Inapplicable as this method or procedure is not used at this facility.***
613. ORCHARD FIRES ***Inapplicable as this method or procedure is not used at this facility.***
614. PRESCRIBED BURNING ***Inapplicable as this method or procedure is not used at this facility.***
615. DANGEROUS MATERIAL FIRES ***Inapplicable as this method or procedure is not used at this facility.***
616. INFECTIOUS WASTE BURNING ***Inapplicable as this method or procedure is not used at this facility.***
617. CROP RESIDUE DISPOSAL ***Inapplicable as this method or procedure is not used at this facility.***
618. -- 624. (RESERVED)
625. VISIBLE EMISSIONS
626. GENERAL RESTRICTIONS ON VISIBLE EMISSIONS FROM WIGWAM BURNERS ***Inapplicable as this method or procedure is not used at this facility.***
627. -- 649. (RESERVED)
650. RULES FOR CONTROL OF FUGITIVE DUST
651. GENERAL RULES
652. -- 674. (RESERVED)
675. FUEL BURNING EQUIPMENT -- PARTICULATE MATTER ***Inapplicable as this section describes the content of sections 676 through 681 to follow.***
676. STANDARDS FOR NEW SOURCES ***Inapplicable as all combustion sources at this facility are less than ten (10) million BTU's per hour.***
677. STANDARDS FOR MINOR AND EXISTING SOURCES
678. COMBINATIONS OF FUELS
679. AVERAGING PERIOD
680. ALTITUDE CORRECTION
681. TEST METHODS AND PROCEDURES
682. -- 699. (RESERVED)
700. PARTICULATE MATTER -- PROCESS WEIGHT LIMITATIONS
701. PARTICULATE MATTER -- NEW EQUIPMENT PROCESS WEIGHT LIMITATIONS
702. PARTICULATE MATTER -- EXISTING EQUIPMENT PROCESS WEIGHT LIMITATIONS
703. PARTICULATE MATTER -- OTHER PROCESSES
704. -- 724. (RESERVED
725. RULES FOR SULFUR CONTENT OF FUELS
726. DEFINITIONS AS USED IN SECTIONS 727 THROUGH 729
727. RESIDUAL FUEL OILS ***Inapplicable as this fuel is not used at this facility.***

728. DISTILLATE FUEL OIL ***Inapplicable as this fuel is not used at this facility.***
729. COAL ***Inapplicable as this fuel is not used at this facility.***
730. -- 749. (RESERVED)
750. RULES FOR CONTROL OF FLUORIDE EMISSIONS ***Inapplicable as fluoride is not emitted by this source.***
751. GENERAL RULES ***Inapplicable as fluoride is not emitted by this source.***
752. -- 774. (RESERVED)
775. RULES FOR CONTROL OF ODORS
776. GENERAL RULES
777. -- 784. (RESERVED)
785. RULES FOR CONTROL OF INCINERATORS ***Inapplicable as this facility is not in this source category.***
786. EMISSION LIMITS ***Inapplicable as this facility is not in this source category.***
787. EXCEPTIONS ***Inapplicable as this facility is not in this source category.***
788. -- 789. (RESERVED)
790. RULES FOR THE CONTROL OF NONMETALLIC MINERAL PROCESSING PLANTS ***Inapplicable as this facility is not in this source category.***
791. GENERAL CONTROL REQUIREMENTS ***Inapplicable as this facility is not in this source category.***
792. EMISSIONS STANDARDS FOR NONMETALLIC MINERAL PROCESSING PLANTS SUBJECT TO 40 CFR 60, SUBPART OOO ***Inapplicable as this facility is not in this source category.***
793. EMISSIONS STANDARDS FOR NONMETALLIC MINERAL PROCESSING PLANTS NOT SUBJECT TO 40 CFR 60, SUBPART OOO ***Inapplicable as this facility is not in this source category.***
794. PERMIT REQUIREMENTS ***Inapplicable as this facility is not in this source category.***
795. PERMIT BY RULE REQUIREMENTS ***Inapplicable as this facility is not in this source category.***
796. APPLICABILITY ***Inapplicable as this facility is not in this source category.***
797. REGISTRATION FOR PERMIT BY RULE ***Inapplicable as this facility is not in this source category.***
798. ELECTRICAL GENERATORS ***Inapplicable as this facility is not in this source category.***
799. NONMETALLIC MINERAL PROCESSING PLANT FUGITIVE DUST BEST MANAGEMENT PRACTICE ***Inapplicable as this facility is not in this source category.***
800. REGISTRATION FEE FOR PERMIT BY RULE ***Inapplicable as this facility is not in this source category.***
801. PAYMENT OF FEES FOR PERMITS BY RULE REGISTRATION ***Inapplicable as this facility is not in this source category.***
802. RECEIPT AND USAGE OF FEES ***Inapplicable as this facility is not in this source category.***
803. -- 804. (RESERVED)
805. RULES FOR CONTROL OF HOT-MIX ASPHALT PLANTS ***Inapplicable as this facility is not in this source category.***
806. EMISSION LIMITS ***Inapplicable as this facility is not in this source category.***
807. MULTIPLE STACKS Inapplicable as this facility is not in this source category.
808. FUGITIVE DUST CONTROL ***Inapplicable as this facility is not in this source category.***
809. -- 814. (RESERVED)
815. RULES FOR CONTROL OF KRAFT PULPING MILLS ***Inapplicable as this facility is not in this source category.***
816. STATEMENT OF POLICY ***Inapplicable as this facility is not in this source category.***
817. GENERAL RULES ***Inapplicable as this facility is not in this source category.***
818. RECOVERY FURNACE STANDARDS ***Inapplicable as this facility is not in this source category.***
819. RECOVERY FURNACE TRS STANDARDS ***Inapplicable as this facility is not in this source category.***
820. DIGESTER AND EVAPORATOR STANDARDS ***Inapplicable as this facility is not in this source category.***
821. RECOVERY FURNACE PARTICULATE STANDARDS ***Inapplicable as this facility is not in this source category.***
822. LIME KILN STANDARDS ***Inapplicable as this facility is not in this source category.***
823. SMELT TANK STANDARDS ***Inapplicable as this facility is not in this source category.***

824. MONITORING AND REPORTING ***Inapplicable as this facility is not in this source category.***
825. SPECIAL STUDIES ***Inapplicable as this facility is not in this source category.***
826. EXCEPTIONS ***Inapplicable as this facility is not in this source category.***
827. -- 834. (RESERVED)
835. RULES FOR CONTROL OF RENDERING PLANTS ***Inapplicable as this facility is not in this source category.***
836. CONTROL OF COOKERS ***Inapplicable as this facility is not in this source category.***
837. CONTROL OF EXPELLERS ***Inapplicable as this facility is not in this source category.***
838. CONTROL OF PLANT AIR ***Inapplicable as this facility is not in this source category.***
839. EXCEPTIONS ***Inapplicable as this facility is not in this source category.***
840. -- 844. (RESERVED)
845. RULES FOR CONTROL OF SULFUR OXIDE EMISSIONS FROM SULFURIC ACID PLANTS ***Inapplicable as this facility is not in this source category.***
846. EMISSION LIMITS ***Inapplicable as this facility is not in this source category.***
847. MONITORING AND TESTING ***Inapplicable as this facility is not in this source category.***
848. COMPLIANCE SCHEDULE **Inapplicable as this facility is not in this source category.**
849. -- 854. (RESERVED
855. COMBINED ZINC AND LEAD SMELTERS ***Inapplicable as this facility is not in this source category.***
856. COMBINED ZINC AND LEAD SMELTERS -- CONTROL OF FUGITIVE SULFUR DIOXIDE EMISSIONS ***Inapplicable as this facility is not in this source category.***
857. COMBINED ZINC AND LEAD SMELTERS -- OXIDES OF SULFUR ***Inapplicable as this facility is not in this source category.***
858. STACK MONITORING REQUIREMENTS ***Inapplicable as this facility is not in this source category.***
859. STANDARDS OF PERFORMANCE FOR MUNICIPAL SOLID WASTE LANDFILLS THAT COMMENCED CONSTRUCTION, RECONSTRUCTION OR MODIFICATION ON OR AFTER MAY 30, 1991 **Inapplicable as this facility is not in this source category.**
860. EMISSION GUIDELINES FOR MUNICIPAL SOLID WASTE LANDFILLS THAT COMMENCED CONSTRUCTION, RECONSTRUCTION OR MODIFICATION BEFORE MAY 30, 1991 ***Inapplicable as this facility is not in this source category.***
861. STANDARDS OF PERFORMANCE FOR HOSPITAL/MEDICAL/INFECTIOUS WASTE INCINERATORS THAT COMMENCED CONSTRUCTION AFTER JUNE 20, 1996, OR FOR WHICH MODIFICATION IS COMMENCED AFTER MARCH 16, 1998 ***Inapplicable as this facility is not in this source category.***
862. EMISSION GUIDELINES FOR HOSPITAL/MEDICAL/INFECTIOUS WASTE INCINERATORS THAT COMMENCED CONSTRUCTION BEFORE JUNE 20, 1996 ***Inapplicable as this facility is not in this source category.***
863. -- 999. (RESERVED

PTC 055-00035 CONDITIONS

1.3 Stack No. 1 and Stack No. 2 shall be 28 feet in height, 2 feet in diameter and gas velocity shall be 4545 feet per minute.

2.1 Combined styrene emissions from Stack No. 1 and Stack No. 2 shall not exceed 18.1 pounds per hour. Annual styrene emissions shall not exceed 54.4 tons per year.

2.2 Volatile organic compound emissions (other than styrene) from Stack No. 1 and Stack No. 2 combined shall not exceed 0.65 pounds per hour. Annual volatile organic compound emissions (other than styrene) shall not exceed 1.69 tons per year.

2.3 Particulate matter (PM) emissions from Stack No. 1 and Stack No. 2 combined shall not exceed 2.19 pounds per hour. Annual PM emissions shall not exceed 5.68 tons per year.

2.4 Emission of particulate matter with a mean aerodynamic diameter less than or equal to 10 micrometers (PM-10) from Stack No. 1 and Stack No. 2 combined shall not exceed 2.19 pounds per hour. Annual PM-10 emissions shall not exceed 5.68 tons per year.

3.1 The permittee shall use polyester resins with a monomer content of no more than thirty-five (35%) by weight. This provision shall not apply to the use of gelcoat, resin used for mold construction and corrosion-resistant resin.

3.2 Excluding the gelcoat and specialty resins, ninety percent (90%) by weight of all polyester resins used by the permittee shall have a styrene monomer content of no more than thirty five percent (35%) by weight.